DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2001 BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 2000

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

DEPARTMENT OF THE NAVY

February 2000

FY 2001 PROCUREMENT PROGRAM

SUMMARY (\$ IN MILLIONS)

APPROPRIATION: OTHER PROCUREMENT, NAVY -----FY 1999 FY 2000 FY 2001 ACTIVITY ---------------_____ 01. SHIPS SUPPORT EQUIPMENT 948.4 910.4 573.5 02. COMMUNICATIONS AND ELECTRONICS EQUIPMENT 1,646.1 1,948.8 1,490.3 03. AVIATION SUPPORT EQUIPMENT 247.1 237.6 204.9 04. ORDNANCE SUPPORT EQUIPMENT 719.1 652.0 498.0 05. CIVIL ENGINEERING SUPPORT EQUIPMENT 54.4 68.7 97.7 06. SUPPLY SUPPORT EQUIPMENT 89.2 140.0 161.8 07. PERSONNEL AND COMMAND SUPPORT EQUIPMENT 98.4 71.0 99.5 08. SPARES AND REPAIR PARTS 243.9 273.2 208.9 4,046.7 4,301.5 3,334.6 TOTAL OTHER PROCUREMENT, NAVY

DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

EXHIBIT P-1

LINE NO ITEM NOMENCLATURE		QUANTITY COST	FY 2000 QUANTITY COST	QUANTITY COST		
BUDGET ACTIVITY 01: SHIPS SUPPORT EQUI						
SHIP PROPULSION EQUIPMENT						
1 LM-2500 GAS TURBINE	А	8.6	8.3	7.0		
2 ALLISON 501K GAS TURBINE	А	6.7	8.3	6.3		
3 STEAM PROPULSION IMPROVEMENT	A	.6				
4 OTHER PROPULSION EQUIPMENT	A	12.0				
GENERATORS						
5 OTHER GENERATORS	A	18.1				
PUMPS						
6 OTHER PUMPS	A	1.0				
PROPELLERS						
7 SUBMARINE PROPELLERS	A	7.8		3.8		
8 OTHER PROPELLERS AND SHAFTS	A	1.1				
NAVIGATION EQUIPMENT						
9 OTHER NAVIGATION EQUIPMENT	A	58.7	100.0	33.4		
UNDERWAY REPLENISHMENT EQUIPMENT						
10 UNDERWAY REPLENISHMENT EQUIPMENT	A	7.3	15.6	9.1		
PERISCOPES						
11 SUB PERISCOPES & IMAGING EQUIP	A	28.5	64.7	19.0		
OTHER SHIPBOARD EQUIPMENT						
12 FIREFIGHTING EQUIPMENT	A	11.1	16.9	16.8		
13 COMMAND AND CONTROL SWITCHBOARD	А	10.0	14.2	10.5		

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UNCLASSIFIED

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

EXHIBIT P-1

				MILLIONS OF BOLLAN	.5	S
LINE NO	ITEM NOMENCLATURE		QUANTITY COST	FY 2000 QUANTITY COST		E
14 POLL	UTION CONTROL EQUIPMENT	В	117.0	114.4	47.8	U
15 SUBM	ARINE SILENCING EQUIPMENT	A	3.4			U
16 SUBM	ARINE SUPPORT EQUIPMENT	А		50.3	11.4	U
17 SUBM	ARINE BATTERIES	А	8.3	13.0	12.4	U
18 SSN2	1 CLASS SUPPORT EQUIPMENT	А	15.3			U
19 STRA	TEGIC PLATFORM SUPPORT EQUIP	А	10.1	21.0	6.2	U
20 DSSP	EQUIPMENT	А	10.3	7.9	5.4	U
21 LCAC		A		4.0	3.6	U
22 MINE	SWEEPING EQUIPMENT	A	. 4	19.6	16.6	U
23 HM&E	ITEMS UNDER \$2 MILLION	A	50.7			U
24 ITEM	S LESS THAN \$5 MILLION	A		127.7	58.9	U
25 SURF.	ACE IMA	A	4.1		2.0	U
26 MINI	/MICROMINI ELECTRONIC REPAIR	A	.5			U
27 SUBM	ARINE LIFE SUPPORT SYSTEM	А		1.3	4.9	U
REACTOR	PLANT EQUIPMENT					
28 REAC	TOR POWER UNITS	А	226.4			U
29 REAC	TOR COMPONENTS	А	210.5	198.0	203.4	U
OCEAN E	NGINEERING					
30 DIVI	NG AND SALVAGE EQUIPMENT	А	5.6	5.5	5.6	U
31 EOD	UNDERWATER EQUIPMENT	В	8.1			U
SMALL B	OATS					
32 STAN	DARD BOATS	A	1.4	3.1	2.7	U

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DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

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EXHIBIT P-1

				MITTITOM	S OF DOLLAR	(S	
LINE NO	ITEM NOMENCLATURE			ST QUANTI		~	S E T C
TRAINING	EQUIPMENT						
33 OTHER	SHIPS TRAINING EQUIPMENT	A	1	. 8	3.8	3.	3 U
PRODUCTI	ON FACILITIES EQUIPMENT						
34 OPERA	TING FORCES IPE	A		. 7	4.5	2.	7 U
OTHER SH	IIP SUPPORT						
35 NUCLE	CAR ALTERATIONS	A	94	.1	108.3	80.	9 U
DRUG INT	TERDICTION SUPPORT						
36 DRUG	INTERDICTION SUPPORT	A	8				U -
TOTAL SHI	PS SUPPORT EQUIPMENT		948	. 4	910.4	573.	5
	TIVITY 02: COMMUNICATIONS AND	ELECTRO	NICS EQUIPMENT				
SHIP RAD	DARS						
37 AN/SF	PS-49	А	1	.0	2.2		U
38 RADAR	SUPPORT	A	28	. 6	19.9		U
39 TISS		А	3	.5	1.7		U
SHIP SON	IARS						
40 AN/SQ	Q-89 SURF ASW COMBAT SYSTEM	A	23	. 2	31.7	14.	3 U
41 SSN A	COUSTICS	A	142	.7	216.4	106.	6 U
42 UNDER	SEA WARFARE SUPPORT EQUIPMENT	A			11.5		8 U
43 SONAR	SUPPORT EQUIPMENT	A	8	.1	3.0		U
44 SONAR	SWITCHES AND TRANSDUCERS	A	12	. 7	14.0	10.	7 U
ASW ELEC	TRONIC EQUIPMENT						
45 SUBMA	ARINE ACOUSTIC WARFARE SYSTEM	A	7	. 3	11.1	10.	7 U

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UNCLASSIFIED

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

EXHIBIT P-1

						S
LINE NO	ITEM NOMENCLATURE		QUANTITY COST	COST QUANTITY COST	FY 2001 QUANTITY COST	E C
46 00						-
46 SST	.U	A	. 8	3		Ū
47 ACC	DUSTIC COMMUNICATIONS	А	. 4	1		Ū
48 FIX	ED SURVEILLANCE SYSTEM	A	9.4	16.6	29.9	U
49 SUR	PTASS	A	12.5	7.2	5.5	U
50 ASW	OPERATIONS CENTER	A	2.6	5 4.4	6.2	U
51 CAR	RRIER ASW MODULE	А	. 4	1		U
ELECTR	ONIC WARFARE EQUIPMENT					
52 AN/	SLQ-32	А	1.5	1.9		U
53 AN/	WLR-1	A	1.8	3		U
54 INF	ORMATION WARFARE SYSTEMS	А	3.4	4.1	3.9	U
55 C-3	COUNTERMEASURES	А	10.0)		U
RECONN	JAISSANCE EQUIPMENT					
56 SHI	PBOARD IW EXPLOIT	А	40.1	50.9	61.5	U
57 COM	MON HIGH BANDWIDTH DATA LINK	A	55.6	36.8		U
SUBMAR	RINE SURVEILLANCE EQUIPMENT					
58 AN/	WLQ-4	А	2.8	3		U
59 SUE	MARINE SUPPORT EQUIPMENT PROG	А	3.9	38.2	17.3	U
OTHER	SHIP ELECTRONIC EQUIPMENT					
60 NAV	YY TACTICAL DATA SYSTEM	A	12.1	22.4		U
61 COC	PERATIVE ENGAGEMENT CAPABILITY	В	81.7	7 60.2	15.9	U
62 GCC	S-M EQUIPMENT AFLOAT	A	41.1	24.9	37.4	U
63 NAV	VAL TACTICAL COMMAND SUPPORT SYSTEM	А	79.2	58.2	46.7	U
64 ATE	DLS	А	28.8	19.0	19.2	U

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UNCLASSIFIED

DATE: February 2000

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

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EXHIBIT P-1

				MILLIONS OF DOLLAR	15	0
NO	ITEM NOMENCLATURE			FY 2000 QUANTITY COST	FY 2001 QUANTITY COST	S E C -
65 MINESV	NEEPING SYSTEM REPLACEMENT	А	17.2	19.6	9.0	U
66 SHALLO	DW WATER MCM	В	7.3	18.7	16.9	U
67 NAVST	AR GPS RECEIVERS (SPACE)	А	9.4	8.5	9.6	U
68 ARMED	FORCES RADIO AND TV	А	15.9	7.7	9.0	U
69 STRATI	EGIC PLATFORM SUPPORT EQUIP	А	12.5	24.7	15.4	U
TRAINING	EQUIPMENT					
70 OTHER	SPAWAR TRAINING EQUIPMENT	А	1.0	1.0	1.3	U
71 OTHER	TRAINING EQUIPMENT	А	26.8	51.1	21.4	U
AVIATION	ELECTRONIC EQUIPMENT					
72 MATCAI	LS	А	11.6	12.3	4.3	U
73 SHIPBO	DARD AIR TRAFFIC CONTROL	В	8.5	7.5	7.9	U
74 AUTOM	ATIC CARRIER LANDING SYSTEM	А	10.7	18.5	18.5	U
75 NATION	NAL AIR SPACE SYSTEM	В	7.7	34.9	30.5	U
76 AIR ST	TATION SUPPORT EQUIPMENT	А	7.2	7.2	6.7	U
77 MICROV	NAVE LANDING SYSTEM	A	4.6	5.3	5.1	U
78 FACSF	AC	А	3.7	5.3	4.3	U
79 ID SYS	STEMS	A	17.6	9.2	14.3	U
80 SURFAC	CE IDENTIFICATION SYSTEMS	А	2.6	.6		U
81 TAC A	C MISSION PLANNING SYS(TAMPS)	А	23.2	20.7	12.0	U
OTHER SHO	DRE ELECTRONIC EQUIPMENT					
82 GCCS-N	4 EQUIPMENT ASHORE	А	4.0	9.4		U
83 OSIS I	EVOLUTIONARY DEVELOPMENT (OED)	А	.9			U
84 TADIX-	-В	А	4.3	18.8	*	U

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UNCLASSIFIED

DATE: February 2000

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

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EXHIBIT P-1

				MILLIONS OF BOLLAR	Б	S
LINE NO	ITEM NOMENCLATURE				FY 2001 QUANTITY COST	E
85	NAVAL SPACE SURVEILLANCE SYSTEM	A		7.8	2.7	U
86	GCCS-M EQUIPMENT TACTICAL/MOBILE	A	24.6	14.0		U
87	COMMON IMAGERY GROUND SURFACE SYSTEMS	A	65.2	41.0	47.0	U
88	RADIAC	А	4.0	4.3	8.3	U
89	GPETE	А	9.5	7.7	7.4	U
90	INTEG COMBAT SYSTEM TEST FACILITY	A	6.4	4.3	4.4	U
91	CALIBRATION STANDARDS	А	1.9			U
92	EMI CONTROL INSTRUMENTATION	A	7.5	6.5	5.4	U
93	SHORE ELEC ITEMS UNDER \$2 MILLION	A	10.4			U
94	ITEMS LESS THAN \$5 MILLION	A		10.9	4.9	U
SHI	IPBOARD COMMUNICATIONS					
95	SHIPBOARD TACTICAL COMMUNICATIONS	A	31.9	25.2		U
96	PORTABLE RADIOS	A	6.4			U
97	SINCGARS	A	27.7			U
98	SHIP COMMUNICATIONS AUTOMATION	А	109.1	229.2	185.1	U
99	SHIP COMM ITEMS UNDER \$5 MILLION	A	31.2	30.5		U
100	INTEGRATED BROADCAST SYSTEM	A	10.2			U
101	COMMUNICATIONS ITEMS UNDER \$5M	А			30.9	U
SUI	BMARINE COMMUNICATIONS					
102	SHORE LF/VLF COMMUNICATIONS	А	13.9	36.2	31.4	U
103	SUBMARINE COMMUNICATION EQUIPMENT	A	63.7	83.2	78.0	U
104	ADVANCED VLF RECEIVER	В	16.1			U

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DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

EXHIBIT P-1

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LINE NO	ITEM NOMENCLATURE			FY 200 QUANTITY			2001 COST	E C
			 					-
SATELLIT	TE COMMUNICATIONS							
105 SATCO	OM SHIP TERMINALS (SPACE)	A	140.8	2	16.5			U
106 SATEI	LLITE COMMUNICATIONS SYSTEMS	А					252.7	U
107 SATCO	OM SHORE TERMINALS (SPACE)	А	65.1		65.3			U
SHORE CO	OMMUNICATIONS							
108 JCS C	COMMUNICATIONS EQUIPMENT	А	3.3		3.7		2.5	U
109 NSIPS	3	A	5.1		7.0		1.8	U
110 JEDMI	ics	A	7.0		16.9			U
111 GCCS	EQUIPMENT	A	2.5					U
112 NAVAL	SHORE COMMUNICATIONS	A	105.8	1	13.4		176.1	U
CRYPTOGR	RAPHIC EQUIPMENT							
113 INFO	SYSTEMS SECURITY PROGRAM (ISSP)	А	39.2		66.8		46.6	U
CRYPTOLO	OGIC EQUIPMENT							
114 SPECI	TAL DCP	A					15.0	U
115 CRYPT	TOLOGIC COMMUNICATIONS EQUIP	A	20.8		21.0		17.2	U
DRUG INT	TERDICTION SUPPORT							
116 OTHER	R DRUG INTERDICTION SUPPORT	A	5.3					U
TOTAL COM	MUNICATIONS AND ELECTRONICS EQUI	PMENT	1,646.1		48.8		1,490.3	
BUDGET AC	CTIVITY 03: AVIATION SUPPORT EQU	JIPMENT						
SONOBUOY	7S							
117 AN/SS	GQ-36 (BT)	A	2.9					U
118 AN/SS	GQ-53 (DIFAR)	A	28.0					U

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DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

EXHIBIT P-1

					MILLIONS O	F DOLLAR	.5	_
LINE NO	ITEM NOMENCLATURE		FY QUANTITY	COST	FY QUANTITY	COST	FY 2001 QUANTITY COST	
119 PASSI	VE SONOBUOYS (NON-BEAM FORMING)	A				20.8		U
120 AN/SS	Q-57 (SPECIAL PURPOSE)	А		2.4				U
121 AN/SS	Q-62 (DICASS)	A		24.3		16.6		U
122 AN/SS	Q-101 (ADAR)	В		19.4		16.7		U
123 SIGNA	L, UNDERWATER SOUND (SUS)	A		1.4				U
124 SONOB	UOYS - ALL TYPES	A					49.	5 U
125 MISCE	ELLANEOUS SONOBUOYS LESS THAN \$5 I	M A				2.2		U
AIRCRAFT	SUPPORT EQUIPMENT							
126 WEAPO	NS RANGE SUPPORT EQUIPMENT	А		22.9		23.0	15.	L U
127 EXPED	ITIONARY AIRFIELDS	A		2.4		.1	3.	3 U
128 AIRCR	AFT REARMING EQUIPMENT	A		12.7		12.4	10.	7 U
129 AIRCR	AFT LAUNCH & RECOVERY EQUIPMENT	A		37.5		40.4	36.	1 U
130 METEC	PROLOGICAL EQUIPMENT	A		27.9		31.3	30.) U
131 OTHER	PHOTOGRAPHIC EQUIPMENT	A		.6		1.7	1.	7 U
132 AVIAT	ION LIFE SUPPORT	A		22.7		36.8	20.	1 U
133 AIRBO	RNE MINE COUNTERMEASURES	A		35.3		31.3	32.	L U
134 REWSO	N PHOTOGRAPHIC EQUIPMENT	A		.8				U
135 OTHER	AVIATION SUPPORT EQUIPMENT	A		5.8		4.2	4.) U
TOTAL AVI	ATION SUPPORT EQUIPMENT			247.1		237.6	204.	
	TIVITY 04: ORDNANCE SUPPORT EQU	IPMENT						
SHIP GUN	SYSTEM EQUIPMENT							
136 GUN F	'IRE CONTROL EQUIPMENT	А		31.0		5.8	18.	3 U

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UNCLASSIFIED

DATE: February 2000

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

MILLIONS	OF	DOLLARS

EXHIBIT P-1

		MILLIONS OF DOLLARS							
LINE NO	ITEM NOMENCLATURE		FY QUANTITY		FY 2000 QUANTITY CO	T QUANTITY	2001 COST	S E C	
SHIP MISSILE SYSTEMS EQUIPMENT									
137 MK-9	2 FIRE CONTROL SYSTEM	А		1.0				U	
138 TART	AR SUPPORT EQUIPMENT	А		*				U	
139 POIN	I DEFENSE SUPPORT EQUIPMENT	А		*				U	
140 NATO	SEASPARROW	А		7.3		. 5	21.7	U	
141 RAM (GMLS	А		63.1	39	.1	37.3	U	
142 SHIP	SELF DEFENSE SYSTEM	В		38.6	38	. 6	9.4	U	
143 AEGIS	S SUPPORT EQUIPMENT	А		89.4	91	. 2	36.8	U	
144 SURF	ACE TOMAHAWK SUPPORT EQUIPMENT	А		96.7	85	. 3	70.6	U	
145 SUBM	ARINE TOMAHAWK SUPPORT EQUIP	А		3.9	2	.1	2.9	U	
146 VERT	ICAL LAUNCH SYSTEMS	А		10.3	7	. 2	7.0	U	
FBM SUP	PORT EQUIPMENT								
147 STRA	TEGIC PLATFORM SUPPORT EQUIP	А		2.9	9	. 3	2.9	U	
148 STRA	TEGIC MISSILE SYSTEMS EQUIP	А		275.7	238	. 2	166.6	U	
149 ANTI	-SHIP MISSILE DECOY SYSTEM	А		21.9	32	. 3	33.8	U	
ASW SUP	PORT EQUIPMENT								
150 SSN (COMBAT CONTROL SYSTEMS	А		18.7	35	.1	20.9	U	
151 SUBM	ARINE ASW SUPPORT EQUIPMENT	А		5.7	3	. 7	4.0	U	
152 SURF	ACE ASW SUPPORT EQUIPMENT	А		4.9	6	.1	6.3	U	
153 ASW 1	RANGE SUPPORT EQUIPMENT	А		4.5	6	. 4	6.9	U	
OTHER O	RDNANCE SUPPORT EQUIPMENT								
154 EXPL	OSIVE ORDNANCE DISPOSAL EQUIP	В		8.8	8	. 9	7.5	U	
155 UNMAI	NNED SEABORNE TARGET	А		1.9				U	

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DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

		MILLIONS OF DOLLARS						
LINE NO	ITEM NOMENCLATURE	IDENT CODE		1999 COST	FY 2			2001 COST

MILLIONS OF DOLLARS							_		
LINE NO	ITEM NOMENCLATURE	CODE		COST	FY QUANTITY	COST	FY QUANTITY	COST	S E C
156 INDUS	TRIAL FACILITIES (CALIBRATION E	QU A		1.0					U
157 ITEMS	LESS THAN \$5 MILLION	А				4.3		5.6	U
158 STOCK	SURVEILLANCE EQUIPMENT	A		1.4					U
OTHER EX	PENDABLE ORDNANCE								
159 FLEET	MINE SUPPORT EQUIPMENT	A		*					U
160 SURFA	CE TRAINING DEVICE MODS	А		6.8		10.6		7.9	U
161 SUBMA	RINE TRAINING DEVICE MODS	A		23.5		27.4		31.6	U
TOTAL ORDI	NANCE SUPPORT EQUIPMENT			719.1		652.0		498.0	
BUDGET ACTIVITY 05: CIVIL ENGINEERING SUPPORT EQUIPMENT									
CIVIL EN	GINEERING SUPPORT EQUIPMENT								
162 ARMOR	ED SEDANS	А	1	.2			1	.2	U
163 PASSE	NGER CARRYING VEHICLES	А	102	3.2	25	.6	3	.1	U
164 SPECIA	AL PURPOSE VEHICLES	A		4.3					U
165 GENER	AL PURPOSE TRUCKS	А		.1		1.6		1.0	U
166 CONST	RUCTION & MAINTENANCE EQUIP	А		1.5		2.7		6.2	U
167 FIRE	FIGHTING EQUIPMENT	А		1.6		2.3		2.5	U
168 TACTIO	CAL VEHICLES	В		1.3		9.3		10.5	U
169 AMPHI	BIOUS EQUIPMENT	A		19.7		20.5		51.6	U
170 COMBA	T CONSTRUCTION SUPPORT EQUIP	А		1.1					U
171 MOBIL	E UTILITIES SUPPORT EQUIPMENT	A		. 4					U
172 OCEAN	CONSTRUCTION EQUIPMENT	A		. 4					U
173 POLLU	TION CONTROL EQUIPMENT	A		20.7		23.9		22.2	U

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DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

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EXHIBIT P-1

		FIRST ON OF BUILDING						~	
LINE NO	ITEM NOMENCLATURE		QUANTITY	COST	FY QUANTITY	COST	QUANTITY	COST	S E C
174 ITEMS	UNDER \$5 MILLION	А				7.8		3.4	U
TOTAL CIV	IL ENGINEERING SUPPORT EQUIPMENT	1		54.4		68.7		97.7	
	TIVITY 06: SUPPLY SUPPORT EQUIP	MENT							
SUPPLY S	UPPORT EQUIPMENT								
175 MATER	HANDLING EQUIPMENT	А		4.7		6.2		7.6	U
176 OTHER	SUPPLY SUPPORT EQUIPMENT	А		11.9		6.9		5.2	U
177 FIRST	DESTINATION TRANSPORTATION	А		4.4		1.6		4.1	U
178 SPECI	AL PURPOSE SUPPLY SYSTEMS	А		68.3		125.2		144.9	U
TOTAL SUP	PLY SUPPORT EQUIPMENT			89.2		140.0		161.8	
	TIVITY 07: PERSONNEL AND COMMAN	ID SUPP	ORT EQUIP	MENT					
TRAINING	DEVICES								
179 TRAIN	ING SUPPORT EQUIPMENT	А		5.1		3.1		1.6	U
COMMAND	SUPPORT EQUIPMENT								
180 COMMA	ND SUPPORT EQUIPMENT	А		28.2		14.9		15.6	U
181 EDUCA	TION SUPPORT EQUIPMENT	А		2.3		2.3		2.1	U
182 MEDIC	AL SUPPORT EQUIPMENT	А		1.3		5.0		7.4	U
183 INTEL	LIGENCE SUPPORT EQUIPMENT	А		23.0		19.3		16.0	U
184 OPERA	TING FORCES SUPPORT EQUIPMENT	А		9.6		5.8		25.0	U
185 ENVIR	ONMENTAL SUPPORT EQUIPMENT	А		16.5		18.3		22.2	U
186 PHYSI	CAL SECURITY EQUIPMENT	А				2.3		9.6	U

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DEPARTMENT OF THE NAVY

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: February 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE		FY 1					2001 COST	S E C
OTHER									
187 CANCE	LLED ACCOUNT ADJUSTMENTS	А		12.4					U
TOTAL PERSONNEL AND COMMAND SUPPORT EQUIPMENT 98.4 71.0 99.5									
BUDGET ACTIVITY 08: SPARES AND REPAIR PARTS									
SPARES A	ND REPAIR PARTS								
188 SPARE	S AND REPAIR PARTS	А		243.9		273.2		208.9	U
TOTAL SPA	RES AND REPAIR PARTS		-	243.9		273.2		208.9	
TOTAL OTH	ER PROCUREMENT, NAVY		4	,046.7		4,301.5		3,334.6	

P-1: 34 UNCLASSIFIED

Other Procurement, Navy Program and Financing (in Thousands of dollars)

	-	(amounts for E s programed)			Obligations	
Identification code 17-1810-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Program by activities:						
Direct program:						
00.0101 Ships support equipment	946,065	910,427	573,480		771,374	
00.0201 Communications and electronics equipment						1,537,011
00.0301 Aviation support equipment	251,256	237,554	204,932	255,317	202,969	204,020
00.0401 Ordnance support equipment	714,877 54,367 89,139 104,909	651,967	497,956	674,332	580,051	510,092
00.0501 Civil engineering support equipment	54,367	68,674	97,670	42,748	68,151	93,629
00.0601 Supply support equipment	89,139	139,984	161,808	94,599	114,395	151,299
00.0701 Personnel and command support equipment	104,909	70,961	99,488	109,472	76,146	98,117
00.0801 Spares and repair parts	243,799	273,155	208,941	235,003	235,346	210,511
00.9101 Total direct program	4,046,702			3,948,899		3,414,085
01.0101 Reimbursable program	53,392	42,000	42,000	45,999	54,202	42,000
10.0001 Total				3,994,898		
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)	-1,735	-42,000	-42,000	-1,627	-42,000	-42,000
14.0001 Non-Federal sources(-)	-51,657			-52,778		
17.0001 Recovery of prior year obligations				-8,731		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-465,555	-543,326	-648,739
21.4003 Available to finance new budget plans		-38,951			-38,951	
21.4009 Reprograming from/to prior year budget plan	-37,167					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				543,326	648,739	569,265
24.4003 Available to finance subsequent year budget	38,951			38,951		
25.0001 Unobligated balance expiring	6,500			6,500		
39.0001 Budget authority			3,334,611	4,054,986	4,262,549	3,334,611
Budget authority:						
40.0001 Appropriation	4,060,662	4,320,238	3,334,611	4,060,662	4,320,238	3,334,611
40.3601 Unobligated Balance Rescinded	-28,500	-38,951		-28,500	-38,951	
40.7601 Reduction pursuant to P.L. 106-113(-), Titl		-22,138			-22,138	
40.7701 Reduction pursuant to P.L. 105-262 (-), 803				-55,247		
41.0001 Transferred to other accounts (-)	-3,000			-3,000		
42.0001 Transferred from other accounts	81,071	3,400		81,071	3,400	
43.0001 Appropriation (adjusted)				4,054,986		3,334,611

Other Procurement, Navy Program and Financing (in Thousands of dollars)

	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations			
Identification code 17-1810-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.	
Relation of obligations to outlays:							
71.0001 Obligations incurred				3,940,493	4,196,087	3,414,085	
72.1001 From Federal sources: Receivables and unpaid,	unfilled orde	rs, SOY		-78,045	-66,263	-66,263	
72.4001 Obligated balance, start of year				3,193,645	3,682,444	4,005,971	
74.1001 From Federal sources: Receivables and unpaid,	unfilled orde	rs, EOY		66,263	66,263	66,263	
74.4001 Obligated balance, end of year				-3,682,444	-4,005,971	-3,633,925	
77.0001 Adjustments in expired accounts (net)				-68,467			
78.0001 Adjustments in unexpired accounts				-8,731			
90.0001 Outlays (net)				3,362,714	3,872,560	3,786,131	

Other Procurement, Navy Object Classification (in Thousands of dollars)

Identification code 17-1810-0-1-051	1999 actual	2000 est.	2001 est.
Direct obligations:			
125.101 Advisory and assistance services	21,340	23,159	21,976
125.201 Other services Purchases goods/services from Government accounts	7,603	131,712	159,771
125.301 Purchase of goods/services from Government accounts	126,825	138,806	131,034
125.303 Purchases from revolving funds	908,958	950,977	876,731
126.001 Supplies and materials	111,066	118,846	69,334
131.001 Equipment	2,773,107		2,155,239
199.001 Total Direct obligations	3,948,899	4,183,885	
Reimbursable obligations:			
Purchases goods/services from Government accounts			
225.303 Purchases from revolving funds	14,718	41,598	41,591
226.001 Supplies and materials		402	409
231.001 Equipment	31,281	12,202	
299.001 Total Reimbursable obligations	45,999	54,202	42,000
999.901 Total obligations	3,994,898	4,238,087	3,456,085

Comparison of FY 1999 Financing as reflected in FY 2000 Budget with 1999 Financing as Shown in the FY 2001 Budget

(\$ In Thousands)

	Financing Per	Financing Per	Increase (+) or
	FY 2000 Budget	FY 2001 Budget	Decrease (-)
Program Requirements (Total)	4,050,915	\$4,100,094	+\$49,179
Program Requirements (Service Account)	(\$4,008,915)	(\$4,046,702)	(+37,787)
Program Requirements (Reimbursable)	(\$42,000)	(\$53,392)	(+11,392)
Appropriation (Adjusted)	\$3,980,415	\$4,054,986	+\$74,571

Explanation of Changes in Financing

The Fiscal Year 1999 program has changed since the presentation of the FY 2000 budget as noted below:

1. <u>Program Requirements</u>. There has been a net increase to the appropriation (adjusted) of (+\$49,179). This net change is comprised of an increase in program requirements (+\$37,787) plus an increase in reimbursable authority of (+\$11,392).

Comparison of FY 1999 program requirements as reflected in the FY 2000 Budget with FY 1999 program requirements as shown in the FY 2001 Budget

Summary of Requirements (\$ in Thousands)

	Total Program Requirements per FY 2000 Budget	Total Program Requirements per FY 2001 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$954,401	\$948,436	-\$5965
Communications and Electronic Equip	1,184,901	1,646,128	-46,122
Aviation Support Equipment	243,679	247,148	-3,469
Ordnance Support Equipment	715,972	719,069	+3,097
Civil Engineering Support Equip	54,856	54,389	-467
Supply Support Equipment	89,537	89,230	-307
Personnel and Command Support Equip	74,063	98,411	+23,348
Spares and Repair Parts	246,506	243,891	-2,615
Total Fiscal Year Program	\$4,063,915	\$4,046,702	-\$17,213

Explanation by Budget Activity

(\$ In Thousands)

^{1. &}lt;u>SHIP SUPPORT EQUIPMENT (-\$5,965)</u> - Net decrease reflecting (-\$17,650) FY 1999 Congressional adjustments and internal reprogrammings (+\$11,685) including (+\$5,300) for Counter Drug Interdiction.

Explanation by Budget Activity (Continued)

(\$ In Thousands)

- 2. <u>COMMUNICATIONS & ELECTRONIC EQUIPMENT (-\$46,122)</u> Net decrease reflecting (-\$9,307) FY 1999 Congressional recissions, other Congressional adjustments (-\$17,026), offsets for high priority Navy programs, (-\$10,399), and internal reprogramming actions of (-\$9390).
- 3. <u>AVIATION SUPPORT EQUIPMENT (-\$3469)</u> Net decrease reflecting (-\$15,243) Congressional adjustments, and internal reprogrammings (+11,774).
- 4. <u>ORDNANCE SUPPORT EQUIPMENT (+\$3,097)</u> Net increase reflecting Congressional adjustments (-\$7,073), and internal reprogrammings (+\$10,170).
- 5. <u>CIVIL ENGINEERING SUPPORT (-\$467)</u> Net decrease reflecting Congressional adjustments (-\$620), and internal realignments (+\$153).
- 6. <u>SUPPLY SUPPORT EQUIPMENT (-\$307)</u> Net decrease reflecting Congressional adjustments (-\$307).
- 7. <u>PERSONNEL & COMMAND SUPPORT (+\$23,348)</u> Net increase reflecting Congressional adjustments (+\$6,500), economic assumptions (-\$704), and increases for high priority Navy programs including paperless acquisition and smartcard (+\$16,144).
- 8. <u>SPARES & REPAIR PARTS (-\$2,615)</u> Net decrease reflecting Congressional adjustments (-\$3,191), and internal realignments (+\$576).

Comparison of FY 2000 Financing as reflected in FY 2000 Budget with 2000 Financing as Shown in the FY 2001 Budget

(\$ In Thousands)

	Financing Per	Financing Per	Increase (+) or
	FY 2000 Budget	FY 2001 Budget	Decrease (-)
Program Requirements (Total)	\$4,142,091	\$4,343,500	+\$201,409
Program Requirements (Service Account)	(\$4,100,091)	(\$4,301,500)	(+201,409)
Program Requirements (Reimbursable)	(\$42,000)	(\$42,000)	0
Appropriation (Adjusted)	\$4,100,091	\$4,262,549	+\$162,458

Explanation of Changes in Financing

The Fiscal Year 2000 program has changed since the presentation of the FY 2000 budget as noted below:

1. <u>Program Requirements</u>. There has been a net increase to the appropriation (adjusted) of +\$162,458. This net change is comprised of an increase in program requirements (+\$184,596), less rescissions of (-\$22,138).

Comparison of FY 2000 program requirements as reflected in the FY 2000 Budget with FY 2000 program requirements as shown in the FY 2001 Budget

Summary of Requirements (\$ in Thousands)

	Total Program	Total Program	
	Requirements per FY 2000 Budget	Requirements per FY 2001 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$858,709	\$910,427	+\$51,718
Communications and Electronic Equip	1,845,227	1,948,778	+103,551
Aviation Support Equipment	216,237	237,554	+21,317
Ordnance Support Equipment	629,418	651,967	+22,549
Civil Engineering Support Equip	67,144	68,674	+1,530
Supply Support Equipment	139,628	139,984	+356
Personnel and Command Support Equip	67,598	70,961	+3,363
Spares and Repair Parts	276,130	273,155	-2,975
Total Fiscal Year Program	\$4,100,091	\$4,301,500	+\$201,409

Explanation by Budget Activity (\$ in Thousands)

- 1. Ships Support Equipment (+\$51,718) Net changes reflect FY 2000 Congressional adjustments (+\$51,718).
- 2. <u>Communications and Electronics Equipment (+\$103,551)</u> Net changes reflect FY 2000 Congressional adjustments (+\$103,551).

Comparison of FY 2000 program requirements as reflected in the FY 2000 Budget with FY 2000 program requirements as shown in the FY 2001 Budget

Explanation by Budget Activity (Continued) (\$ in Thousands)

- 3. <u>Aviation Support Equipment (+\$21,317)</u> Changes reflect FY 2000 Congressional reductions (-\$8953), and Congressional increases (+\$30,270).
- 4. <u>Ordnance Support Equipment (+\$22,549)</u> Changes reflect FY 2000 Congressional adjustments (+\$13,345), and DoN internal realignments (+\$9,204).
- 5. <u>Civil Engineering Support Equipment (+\$1,530)</u> Changes reflect FY 2000 Congressional adjustments (+\$1,530).
- 6. <u>Supply Support Equipment (+\$356)</u> Changes reflect FY 2000 Congressional reductions (-\$744), and Congressional increases (+\$1,100).
- 7. <u>Personnel and Command Support (+\$3,363)</u> Changes reflect Congressional reductions (-\$286), and Department realignments (+\$3,649).
- 8. <u>Spare and Repair Parts (-\$2,975)</u> Changes reflect FY 2000 Congressional reductions (-\$1,435) and internal reprogrammings (-\$1,540).

CLASSIFICATION:

DD Form 2454, JUN 86

UNCLASSIFIED

		BUD	GET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40						Februar	y 2000	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR	AN/SSQ-36 (I	BT) SONOBUC	ΣΥ	
OTHER PROC	JREMENT, N	IAVY							PEO(A) F	ROGRAM NAR	M#400500	
Program Element fo	or Code B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY	2,954		8,822	11,092								
COST (In Millions)	\$71.4	A	\$2.3	\$2.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to ASW aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean.

The FY98 program has been awarded to Sparton for a quantity of 8,822.

The FY99 program has been awarded to Hermes (8,092) and Sparton (3,000) for a total quantity of 11,092.

In FY00 the SSQ-36 is combined into a new budget line -- 405000 Miscellaneous Sonobuoys Less Than \$5M.

Beginning in FY01 the AN/SSQ-36 is combined into a new budget line -- 404800 Sonobuoys All Types.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 0 0 0 0 0 0 0 0 0

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 117 PAGE NO. 1

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	ST AN	ALYSIS			Weapon Sy	stem						DATE:	
	P-5					AN/SSQ-36	(BT) SONO	BUOY					Februa	ary 2000
_	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLAT	URE/SUBHE	AD				
	Procurement, Navy													
B.A. 3 -	AVIATION SUPPORT EQUIPMENT						PEO(A) PI	ROGRAM	NARM #40	0500 SU	BHEAD U	3QG		
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS								
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			
0022		Codo	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QG001	AN/SSQ-36 w/SLC*	А	60,785	8,822	\$243.14	2,145	11,092	\$234.00	** 2,611					
QG830	PRODUCTION ENGINEERING		4,060			101			150					
QG860	ACCEPTANCE TESTING		6,524			100			149					
	* SONOBUOY LAUNCH CONTAINER													
	*** In addition to hardware, total cost includes	 funding 	for a production	l on readines I	 s review and 	l d funding for s l	ilver.							
	l		71,369			2,346			2,910					

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 117 PAGE NO. 2

UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIE	BIT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-36 (BT)		F	ebruary 200	00
B. APPROPRIATION/BUDG					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement										
B.A. 3 - AVIATION S	UPPORT EC	UIPMENT	T			GRAM NARM #400500	1		U3QG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISION AVAILABLI
FY 94										
AN/SSQ-36 w/SLC	3,300 2,000	238.40 255.26	NSWC CRANE NSWC CRANE		C/FFP C/FFP	HERMES, CANADA SPARTON, FL	**	1/99 11/98	YES YES	
FY 95										
AN/SSQ-36 w/SLC	4,625	255.26	NSWC CRANE		C/FFP	SPARTON, FL	**	9/97	YES	
FY97										
AN/SSQ-36 w/SLC	2,954	244.11	NSWC CRANE	Oct-96	C/FFP	SPARTON, FL	**	5/98	YES	
FY98										
AN/SSQ-36 w/SLC	8,822	243.14	NSWC CRANE	Oct-97	C/FFP	SPARTON, FL	3/98	10/98	YES	
FY99										
AN/SSQ-36 w/SLC	8,092 3,000	226.49 254.27	NSWC CRANE NSWC CRANE	Oct-98 Oct-98	C/FFP C/FFP	HERMES, CANADA SPARTON, FL	1/99 1/99	1/00 8/99	YES YES	
D. REMARKS										

P-1 SHOPPING LIST ITEM NO. Classification: DD Form 2446-1, JUL 87 117

FY 2000/01 BUDGET PRODUC			DULE	E, P-21	1													DATE				Febi	ruar	/ 200	0						
APPROPRIATION/BUDGET AC				_												stem)			M NO											
OTHER PROCUREMENT,	, NAV	Y, B.	A :	3								AN	/SSC	2-36						O (A))GR/	۱ M	NARI	M #4	10050)0				
							Proc	luctio	n Ra	ate										times											
			nufactu										T P			_T A			Initia			Reord							Uni	it of	
Item		Name			n	MS	SR	1-8		M	AX	to	Oct	1 1	1	Oct	1	M	lfg P	LT	M	1fg P	LT		Tot	tal			Mea	sure	
AN/SSQ-36B	HER	MES,	CANA	DA*		0.25		12		12																			K		
AN/SSQ-36B	SPA	RTON	, FL	**		0.25		12		12						3		***	12						1	5					
		I	1	I	1																										ı
				_	_				FISC	AL YI	EAR	1998										FIS		YEAR							
ITEM / MANUFACTURER	F Y	S V	Q T	D E	В		97				1		1	:NDA	R YE∕ T	AR 19								CALEN			1999	9			ь
	Y	C	T Y		A L	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M		: 1	J	A	S	A
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QG001 AN/SSQ-36-HERMES(K)***	94		3.3	0.0	3.3	<u> </u>			H						H	+	<u> </u>		•	_	1.0				<u> </u>	-	+	<u> </u>	Ť	-	0.0
QG001 AN/SSQ-36-SPARTON***	94		2.0	0.0	2.0														2.0		1.0	1	0.0					\rightarrow			0.0
QG001 AN/SSQ-36-SPARTON (K)***	95		4.6	1.0	3.6								2.2	1.4													1	-			0.0
QG001 AN/SSQ-36-SPARTON	97		3.0	0.0	3.0								1.0					2.0									1				0.0
QG001 AN/SSQ-36 - SPARTON (K)	98		8.8	0.0	8.8						Α							0.8	2.7	2.7									1.3	1.3	0.0
QG001 AN/SSQ-36-HERMES (K)	99		8.1	0.0	8.1																Α										8.1
QG001 AN/SSQ-36 - SPARTON (K)	99		3.0	0.0	3.0																Α						4		3.0		0.0
																											+	-	\vdash		
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									F	ISCA	L YEA	R 20	00									FIS	SCAL	YEAR	2001						
ITEM / MANUFACTURER	F	S	Q	D	В	19	99						CALE	NDA	R YE	AR 20	000							CALEN	IDAR	YEAR	2001	1			
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	j	J	Α	S	В
		С	Y	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E C	A N	E B	A R	P R	A			U L	U G	E P	L
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QG001 AN/SSQ-36-HERMES (K)	99		8.1	0.0	8.1				1.1	1.1	1.3	0.6	0.6	0.5	0.5	0.6	0.6	0.4	0.4	0.4							_				0.0
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																											4				
***Manufacturers currently require a 12 m					I T). Th	I e contra	ctually	requir	red lea	ad tin	ne has	s bee	n adjı	usted	acco	rding	ly. Tl	nis cha	ange l	has no	net a	ffect a	s it h	as bee	n		+	=			
incorporated into all procurements beginn							_																				1				
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Remarks: * DATEC ADE DACE																											丄				Ц

Remarks: * RATES ARE BASED ON THE FY95 CONTRACT VERSUS THE INDUSTRIAL BASE PLAN. HERMES IS NO LONGER A MOBILIZATION BASE PRODUCER.

** IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST 311 / 244 ITEM NO 117 PAGE 4

CLASSIFICATION:

			BUI	DGET ITEM	JUSTIFICA	ATION SHE	ET				DATE:	
					P-40						FEBRUAR	Y 2000
APPROPRIATION/BU	JDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	AN/SSQ-53 (I	DIFAR) SONO	BUOY	
OTHER PROCUI	REMENT, N	IAVY						PEO (A) PROGRA	M NARM	#402500	
Program Element for	Code B Items:						Other Related	Program Elem	ents			
BA3 - AVIATION	SUPPORT	EQUIP	MENT									
	Prior	ID									То	
	Years*	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			113,714	71,373								
COST (In Millions)	\$1,211.1	Α	\$46.7	\$28.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information. The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) was developed in FY97 and incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth, and (4) Automatic Gain Control (AGC).

FY97 contracts were awarded to Hermes (17,843), Sparton (6,556) and Raytheon (3,717) for a total quantity of 28,116 AN/SSQ-53E's. The FY97 program included \$6.5M for an AN/SSQ-53E ECP.

The FY98 contract has been awarded to Hermes (9,880), Raytheon (57,137) and Sparton (46,697) for a total quantity of 113,714 AN/SSQ-53E's.

The FY99 contract has been awarded to Hermes (56,595), Sparton (4,639) and USSI (10,139) for a total quantity of 71,373.

In FY00 the SSQ-53 was combined into a new budget line -- 402600 Passive Sonobuoys (Non-Beamforming). Beginning in FY01 the SSQ-53 is budgeted under NARM 404800 Sonobuoys, All Types

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 2.494 1,791 0 0 0 0

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 118 PAGE NO. 1 DD Form 2454, JUN 86

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM	I COST	ANALYSIS			Weapon System	m						DATE:	
	P-	5				AN/SSQ-53 (D	IFAR) SONO	DBUOY					FEBRUA	RY 2000
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NC	MENCLATU	IRE/SUBHEAD					
	Procurement, Navy													
BA3- A	VIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM	NARM #4025	00 SUBH	EAD U3Q0			
			TOTAL COST IN TH	OUSANDS	OF DOLLA	RS								
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000			
CODE	ELEMENT OF COST	Code	Years		1 1 1990			1 1 1333			1 1 2000			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QC001	AN/SSQ-53 w/SLC*	A	1,061,669	113,714	\$353.47	*** 40,218	71,373	\$336.80	24,320					
QCOOT	AN/33Q-33 W/3LC		1,001,009	113,714	φ333.47	40,216	71,373	φ330.60	24,320					
QC830	PRODUCTION ENGINEERING		66,027			3,858			1,495					
QC860	ACCEPTANCE TESTING		83,451			2,668			2,215					
	* SONOBUOY LAUNCH CONTAINER													
	*** In addition to hardware, total costs include	 	l for data packages sep	l parately pric	l ed.									
	**** In addition to hardware, total costs includ	 e \$282K f	for contract specificat	ion clarificat	ion.									
	·		\$1,211,147			\$46,744			\$28,030					

ITEM NO. 118 PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	DRY AND F	LANNING EXHIBIT	(P-5A)		Weapon System				
						AN/SSQ-53 (DIFAR)		FE	BRUARY 20	000
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Other Procurement,	Navy									
BA3 - AVIATION SUP	PORT EQUI	PMENT			PEO(A) PRO	OGRAM NARM #402	500		U3QC	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
AN/SSQ-53 w/SLC	17,843 6,556 3,717	\$380.83 \$432.58 \$456.85	NSWC CRANE NSWC CRANE NSWC CRANE	10/96 10/96 10/96	C/FFP C/FFP C/FFP	HERMES, CAN SPARTON, FL RAYTHEON, IN	4/97 4/97 5/97	****10/98 ****3/99 ****4/99	YES YES YES	
FY98 **										
AN/SSQ-53 w/SLC	9,880 46,697 57,137	\$395.00 \$353.44 \$346.31	NSWC CRANE NSWC CRANE NSWC CRANE	10/97 10/97 10/97	C/FFP C/FFP C/FFP	HERMES, CAN SPARTON, FL RAYTHEON, IN	2/98 2/98 2/98	****5/99 ****6/99 ****3/99	YES YES YES	
FY99 ***										
AN/SSQ-53 w/SLC	56,595 4,639 10,139	\$328.96 \$409.93 \$347.07	NSWC CRANE NSWC CRANE NSWC CRANE	10/98 10/98 10/98	C/FFP C/FFP C/FFP	HERMES, CAN SPARTON, FL USSI, IN	1/99 1/99 1/99	1/00 1/00 1/00	YES YES YES	

D. REMARKS

^{*} In addition to hardware, total costs include \$355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages. ** In addition to hardware, total costs include \$23.5K for data packages separately priced. *** In addition to hardware, total costs include \$282K for a contract specification clarification.

^{****} Time from award to delivery of 15-19 months due to ECP design and qualification testing.

^{*****} FY98 deliveries pending FY97 qualification completion.

FY 1998/99 BUDGET PRODUC			DULE	P-21														DAT	E			FE	BR	UAR	Y 20	00				
APPROPRIATION/BUDGET AC	TIVIT	Y													Syst			ı				ITEN	/I N	OME	ENCI	_ATL				
OTHER PROCUREMENT	Γ, ΝΑ	VY											AN/S	SQ-5	3 (DI	FAR)	SON	OBL	JOY		PE	O(A)	P	ROG	ŝRΑ	M	NAF	₹M £	#4025	500
							Pro	oductio	on Ra	ite					Proc	ureme	ent Le	adtii	mes											
		Ма	nufacti	urer's								Α	LT Pr	ior	Α	LT Af	ter		Initia		R	eorde	r					U	Init of	
ltem		Name	e and L	ocation	1	MS	SR	1-8	3-5	M	AX	to	o Oct	1		Oct 1		M	lfg P	LT	M	fg PL	Т		Tota	I		Μє	easure)
AN/SSQ-53	SPAF	RTON				0.38		28.0		65.0)*					3			12			<u> </u>			15		Κ			
AN/SSQ-53	USSI		,			0.38		32.6		65.0						3			12						15		K			
7111/000 33	0001	, 11 1				0.00		02.0		00.0								1	12						10		-			
	-																	1												
									FISCA	AL YEA	AR 199	98										FIS	SCAL	YEAR	र 199	9				
ITEM / MANUFACTURER	F	S	Q	D	В	1	997						CALE	NDAR Y	YEAR	1998							(CALEN	DAR '	YEAR	1999			1
I	Υ	V	T Y	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Y	L	L	С	0	E	A	E	A	Р	A	U	U	U	E	С	0	E	Α	E	Α	Р	A	U	U	U	E	Ĺ
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
QC001 - AN/SSQ-53																									<u> </u>		<u> </u>			
HERMES (K)	97		17.8	0.0	17.8													0.3	0.7	1.4	2.5	1.1			2.5		1.2	1.2	1.2	3.3
SPARTON (K)	97		6.6	0.0	6.6																		1.2		3.0	1.2	L	-		0.0
RAYTHEON (K)	97		3.7	0.0	3.7																			0.5	1.6		1.6			0.0
HERMES (K)	98		9.9	0.0	9.9					Α															1.0		1.7		1.7	5.5
SPARTON (K)	98		46.7	0.0	46.7					A															1.0	1.2	f '''	1.2	4.9	39.4
RAYTHEON (K)	98		57.1	0.0	57.1					Α													1.4	1 4	29		5.0	5.0		31.4
HERMES (K)	99		56.6	0.0	56.6																Α									56.6
SPARTON (K)	99		4.6	0.0	4.6																Α									4.6
USSI (K)	99		10.1	0.0	10.1																Α									10.1
										FIS	SCAL \	YEAR :	2000									FIS	SCAL	YEAF	₹ 200	1				
ITEM / MANUFACTURER	F	s	Q	D	В	1	999						CALE	NDAR \	YEAR :	2000		•					(CALEN	IDAR '	YEAR:	2001			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	C	o	E	A	E	A	P	A	Ü	Ü	Ü	E		o	E	A	E	A	P	A	Ü	Ü	Ü	E	A
1						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	C T	V	С	N	В	R	R	Υ	N	L	G	Р	_
QC001- AN/SSQ-53																		l												
HERMES (K)	97		17.8	14.5	3.3	1.4	1.9																							0.0
HERMES (K)	98		9.9	4.4	5.5		1.6	1.3	1.3																					0.0
SPARTON(K)	98		46.7	7.3	39.4	4.9	7.3	7.3	7.3	7.3	5.3																			0.0
RAYTHEON(K)	98		57.1	25.7	31.4	5.0	3.4	8.2	8.2																<u> </u>		<u> </u>			0.0
HERMES (K)	99		56.6	0.0	56.6				2.0	6.4	3.2			3.2	5.1	8.3	6.0	4.4	4.3	4.1					<u> </u>		<u> </u>	<u> </u>	!	0.0
SPARTON (K)	99		4.6	0.0	4.6		-		0.8	0.8	0.8			0.7	L			I	ļ						<u> </u>		ــــــ	<u> </u>	!	0.0
USSI (K)	99	L	10.1	0.0	10.1	L	<u> </u>		0.5			0.6		0.6	0.5		0.5	1.8	1.7	1.7					<u> </u>		ــــــ	<u> </u>		0.0
*** Manufacturers currently require a 12 r This change has no net affect as it has be	nonth Pr	roductio	n Lead 7	ıme (Pl	_I), as su	uch the	contra	actually	requir	ed lea	d time	has be	een adj	usted a	accord	ingly.		<u> </u>	-						-		—	<u> </u>		-
<u> </u>	en incol	porated	a into all	procure	nents de	girining	ın F Y	ษษ and	beyon	u.		<u> </u>			<u> </u>			<u> </u>			<u> </u>						Щ			Щ_
Remarks:																														

311 / 244 ITEM NO 118 PAGE 4 Exhibit P-21 Production Schedule

^{*} IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.
** EFFECTIVE 18 DECEMBER 1998, RAYTHEON'S SONOBUOY DIVISION WAS PURCHASED BY UNDERSEA SENSOR SYSTEMS, INCORPORATED, IN.

CLASSIFICATION:

UNCLASSIFIED

		BUC	GET ITEM	JUSTIFIC	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/B	UDGET ACTIVI	ΙΤΥ					P-1 ITEM NO	MENCLATUR	PASSIVE SO	NOBUOYS (N	ON-BEAM FOR	MING)
OTHER PROCU	REMENT, N	AVY							PEO(A) P	ROGRAM NAR	M#402600	
Program Element for	Code B Items:						Other Related	Program Elem	nents			
	Prior	ID I									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY					51,362							
COST												
		A	\$0.0	\$0.0	\$20.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

Command Function Select (CFS), (3) additional DIFAR depth and Automatic Gain Control (AGC). The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise.

Prior to FY00 the AN/SSQ-53 and AN/SSQ-57 were budgeted under NARMs 402500 and 403000, respectively.

The FY00 program provides for 46,790 AN/SSQ-53 sonobuoys and 4,572 AN/SSQ-57 sonobuoys for a total of 51,362 Passive (Non-Beam Forming) Sonobuoys.

A new configuration combining the functions of the AN/SSQ-53 and AN/SSQ-57 will be procured.

Beginning in FY01 the AN/SSQ-53 and AN/SSQ-57 are combined into a new budget line -- 404800, Sonobuoys All Types

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
0	0	2.0	0	0	0	0	0

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 119 PAGE NO. 1 CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	OST AN	IALYSIS			Weapon Sy	stem							DATE:	
	P-5					PASSIVE S	ONOBUOY	S (NON-BE	EAM FORMI	NG)				Februa	ary 2000
APPRO	PRIATION/BUDGET ACTIVITY								URE/SUBHE					•	
Other F	Procurement, Navy														
B.A. 3	- AVIATION SUPPORT EQUIPMENT						PEO(A) P	ROGRAM	NARM #40	02600 SUI	BHEAD U	3QW			
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QW001	HARDWARE AN/SSQ-53 AN/SSQ-57	А				0			0		360.27 360.27	18,504 16,857 1,647			
QW830	PRODUCTION ENGINEERING AN/SSQ-53 AN/SSQ-57			0			0			1,110 1,015 95					
QW860	ACCEPTANCE TESTING AN/SSQ-53 AN/SSQ-57					0			0			1,202 1,100 102			
	* Beginning in FY00 a new configuration com	bining th	 ne functions of	the SSQ-5	3 and the SS	 SQ-57 will be	procured.								
												\$20,816			\$0
DD FOR	M 2446, JUN 86	P-1 SH	L IOPPING LIS ^T	<u>I</u> Г	I	I .	l	l	<u> </u>	1	l	CLASSIFICA	ΓΙΟΝ:		J

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 119 PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	DRY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
						Passive (Non-Beam Forming)			February 20	00
B. APPROPRIATION/BUDGET A Other Procurement, N					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
B.A. 3 - AVIATION SU		UIPMENT	-		PEO(A) PRO	OGRAM NARM #402600			U3QW	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY00										
AN/SSQ-53 w/SLC* AN/SSQ-57 (SP)	46,790 4,572		NSWC CRANE NSWC CRANE	10/99 10/99	C/FFP C/FFP	NOT SELECTED NOT SELECTED	2/00 2/00	2/01 2/01	YES YES	
*Sonobuoy Launch Container										
Soliobuoy Lauriur Container										
D. REMARKS										
DD Form 2446-1, JUL 87			P-1 SHOPPING LIST	ITEM NO.	119)	Classific	cation:		

P-1 SHOPPING LIST Classification: ITEM NO. 119 **UNCLASSIFIED** PAGE NO.

FY 2000/01 BUDGET PRODU		SCHE	DULE	, P-21	ı													DATE						200	0							
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, B.A3												Weapon System Passive Non-Beam F																				
Production F												газ	SIVE IV	OII				ent Lo		_ , ,	rico	GIVE	AIVI IV		1 # 4 0	2000	,					
		Mar	nufactu	ırer's			1 100					ALT Prior ALT A						-	Initia		R	eord	ler					Uı	nit of			
Item		Name and Location				MS	SR	1-8	8-5	MA	4Χ		Oct 1			ct 1			fg Pl			lfg P		Total				asure				
AN/SSQ-53		HERMES, CANADA* SPARTON, FL USSI, IN							12									<u> </u>									K					
								12		12						3			12						5	K						
								12		12						3			12						15							
AN/SSQ-57		RTON	, FL			0.25		12		12						3			12						15			K				
	USSI	, IN				0.25		12		12					3			12							15			K				
							F	ISCA	I YEAF	R 190	18										FIS	SCAL	YEAR	1999				$\overline{}$				
ITEM / MANUFACTURER	F	S	Q	D	В	FISCAL YEAR 1						,,,	CALEND	199	98					110		CALEN		'EAR 1	999							
	Y	V C	T Y	E L	A L	0 C	N O	D E	J A	F E B	M A	A P	M J A U Y N		J	A U	S E	0 C T	N O	D E	J A	F E B	M A	A P	M A	J	Ŋ		S E	B A L		
						Т	V	С	N	В	R	R	Y N	1	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р			
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ITEM / MANUFACTURER	F	s	Q T Y	D	В	40	00		_ YEA	R 200	CALEND	4 D \	/F ^ D	200						FIS		YEAR CALEN		/E A D .	004		-					
TIEW/ WANDI ACTORER	Y	V		E	A	1999		D	١.	F		_		Т				0	N	D		F	М		M				S	В		
		С		L	L	O C	N O	E	J A	E	M A	A P	A U		U	A U	S E	С	0	Е	J A	Е	Α	A P	Α	U	Ŋ	U	E	A L		
						T	V	С	N	В	R	R	Y N	-	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	<u> </u>		
AN/SSQ-53 - NOT SELECTED (K)	00		46.8	0.0	46.8					Α												3.0	3.0	5.0	5.0	5.0	5.0	0 5.0	4.5	11.3		
()																																
AN/SSQ-57 - NOT SELECTED (K)	00		4.6	0	4.6					Α												0.4	0.4	0.4	0.5	0.5	0.4	4 0.4	0.4	1.2		
														+															<u> </u>			
																											1		-	-		
Remarks:	1						1																1		1		-1					

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311 / 244 FIEM NO 119 PAGE 4

FY 2000/01 BUDGET PRODU	CTION	SCHE	EDULE	E, P-21	1													DATE	Ξ		F	ebru	uary	200	0					
APPROPRIATION/BUDGET ACTIVITY													P-1 ITEM NOMENCLATURE																	
OTHER PROCUREMENT								Passive Non-Beam Forming								PROC	GRAN	Л NA	\RM:	#402	600									
						Production Rate						Procuremen																		
	Manufacturer's											ALT Prior				T A			Initia			eord						it of		
Item			ame and Location			MSR		1-8			AX	to Oct 1		(Oct 1		Mfg PLT			M	fg P	LT	Total			Measur K)	
AN/SSQ-53	HERMES, CANADA*					0.25		12		12																				
		RTON	, FL			0.25		12		12					3				12					15			K			
	USSI, IN					0.25		12		12						3			12					15			K			
AN/SSQ-57	SPARTON, FL			0.25		12		12						3			12						15			K				
	USSI	, IN				0.25		12		12						3			12					15			K			
ITEM / MANUFACTURER									FISC	CAL YE	EAR 2	2002										FISC	CAL Y	EAR	2003					
	F	S	Q	D	В	2001						CALENDAR YEAR 2002)2						CA	LEND	AR Y	EAR 2	003			İ
	Υ	V C	T	E	Α	0	N	D	J	F	М	Α	М	J	J	Α		0	N	D	J	F	М	Α	М	J	J	Α	s	B A
		C	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
	-		-			-	V	C	IN	В	ĸ	ĸ	Y	IN		G	Р	-	V	C	IN	В	K	K	Y	IN			Р	!
AN/SSQ-53 - NOT SELECTED (K)	00		46.8	35.5	11.3	4.5	4.0	2.8																						0
ANYOUG-33 - NOT OLLLOTED (N)	- 00		40.0	33.3	11.0	7.5	7.0	2.0																						
AN/SSQ-57 - NOT SELECTED (K)	00		4.6	3.4	1.2	0.4	0.4	0.4																						0
																												<u> </u>		
																												<u> </u>		
																														!
		S					FISCAL YEAR 2004 FISCAL YEAR 2005																							
ITEM / MANUFACTURER	F		Q	D	В	2	2003		·	100/1		CALENDAR YEAR 2004										1 100				EAR 2	005			İ
	Y	٧	Т	E	A	0	N	D	J	F	М	А	М	J	J	A	s	0	N	D	J	F	M	A	М	J	J	Α	S	В
		С	Υ	L	L	C	O	E	A	E	A	P	Α	U	Ü	U	E	С	O	Е	A	Е	A	P	Α	U	U	Ü	Е	A L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	<u> </u>
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DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 119 PAGE 5

UNCLASSIFIED

		BUD	GET ITEM	JUSTIFIC	ATION SHE	ET				DATE:		
				P-4	10					F	ebruary 200)0
APPROPRIATION/E	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE	AN/SSQ-57 (SP)		
OTHER PROCU	JREMENT, N	AVY							PEO (A) P	ROGRAM NAF	RM #403000	
Program Element for	r Code B Items:						Other Related	Program Elem	ents			
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			0	886								
COST (In Millions)	\$57.9	Α	\$0.5	\$2.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-57 (SP) is a special purpose calibrated passive sonobuoy used for determinating the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) sonobuoy), and the level of ambient noise.

The FY98 program provides for an analysis of the changes required to meet Congressional direction to modify AN/SSQ-57 sonobuoys to meet changing threat acoustic signatures.

The FY 99 contracts include a \$2M ECP and were awarded to Sparton and Undersea Sensor Systems Incorporated, (USSI) (886) for a total quantity of 886.

In FY00 the SSQ-57 was combined into a new budget line - 402600 Passive Sonobuoys (Non-Beamforming). Beginning in FY01 the SSQ-57 is budgeted under NARM 404800 Sonobuoys, All Types.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
0	0	0	0	0	0	0	0

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 120 PAGE NO. 1

UNCLASSIFIED CLASSIFICATION:

	WEAPONS SYSTEM CO	ST AN	ALYSIS			Weapon Sy	stem						DATE:	
	P-5					AN/SSQ-57							FEB	2000
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	DMENCLAT	JRE/SUBHEA	AD				
	Procurement, Navy													
B.A. 3 -	AVIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM	NARM #403	3000 SUB	HEAD U3	QS		
			TOTAL COS	T IN THOUS	SANDS OF I	OOLLARS								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QS 001	AN/SSQ-57 w/SLC*	А	50,654				886	376.84	2,350					
	ECP for changing threat acoustic signature modification.					434								
QS830	PRODUCTION ENGINEERING		3,473			20			36					
QS860	ACCEPTANCE TESTING		3,763			30			19					
	*SONOBUOY LAUNCH CONTAINER													
	** Includes \$2M for an ECP													
	•		57,890			484			2,405					

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION **UNCLASSIFIED**

UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
						AN/SSQ-57 (SP) SONOBUOY		February	2000	
B. APPROPRIATION/BUDGE	ET ACTIVITY				C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Other Procurement,									U3QS	
B.A.3 AVIATION S	SUPPORT EC	UIPMENT			PEO(A) PRO	GRAM NARM #403000				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99										
AN/SSQ-57 *	886	\$376.84	NSWC CRANE	10/98	C/FFP	USSI, IN	1/99	11/00	YES	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 120 PAGE NO. 3

^{*} The P-5A exhibit depicts only hardware quantities and unit costs. In addition to hardware, total costs include \$2M for ECP.

ACTIVIT	/			1) SON	DATE			P-1 I	TEM	NOI	ME	NCL			4030	00		
•						Prod	luctio	n Ra	ite					Pro	ocure	ement	Lead	times			` ,									
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99		0.9	0.0	0.9																Α										0.9
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99		0.9	0.0	0.9														0.4		0.5										0.0
	PACTIVITY NT, NA USSI F Y 99	ACTIVITY NT, NAVY I Mar Name USSI, IN F Y C F S Y C C C C C C C C C C C C C	ACTIVITY NT, NAVY B.A. Manufactu Name and Le USSI, IN F S Q Y V T C Y 99 0.9 F S Q Y V T C Y	ACTIVITY NT, NAVY B.A 3 Manufacturer's Name and Location USSI, IN F S Q D Y V T E C Y L F S Q D Y V T E C Y L	Manufacturer's Name and Location USSI, IN	NT, NAVY B.A 3 Manufacturer's Name and Location MSF USSI, IN 0.3	Proceed	ACTIVITY NT, NAVY B.A 3 Production Manufacturer's Name and Location MSR 1-8	Name and Location MSR	Name and Location MSR	Name and Location MSR	ACTIVITY NT, NAVY B.A 3 Production Rate	ACTIVITY NT, NAVY B.A 3 Production Rate Manufacturer's Name and Location USSI, IN F S Q D B 1997 Y V T E A C T V C N B R R Y 99 0.9 0.0 0.9 99 0.9 0.0 0.9 F S Q D B 1999 FISCAL YEAR 2000 F S Q D B 1999 FISCAL YEAR 2000 FISCAL YEAR 2000 F S Q D B 1999 FISCAL YEAR 2000 CALE T V C N B R R Y	ACTIVITY	ACTIVITY Weapon Syst	ACTIVITY	ACTIVITY NAVY B.A 3	NAVY B.A 3	Weapon System	ACTIVITY NAVY B.A 3	Nation N	National Content of Nati	NATION Section Secti	ACTIVITY NT, NAVY B.A 3 Production Rate Production Rate Production Rate Procurement Leadtimes Production Rate Production R	ACTIVITY NT, NAVY B.A 3 Production Rate Production Rate Procurement Leadtimes Procurement	ACTIVITY NT, NAVY B.A 3 Production Rate Procurement Leadtimes Manufacturer's Name and Location MSR 1-8-5 MAX ALT Prior ALT After Oct 1 Oct 1 Mfg PLT Mfg PLT Mfg PLT Total Initial Reorder Mfg PLT Mfg PLT Total Initial Reorder Mfg PLT Mfg PLT Total Initial Reorder Mfg PLT Total Initial Reorder Mfg PLT Mfg PLT Total Initial Reorder Mfg PLT Mfg PLT Total Initial Reorder Mfg PLT Ini	ACTIVITY NT, NAVY B.A 3 Production Rate Production Rate Reorder Mfg PLT Total Reorder Mfg PLT Total Production Rate Production Rate Production Rate Production Rate Reorder Mfg PLT Total Production Rate Produc	ACTIVITY NT, NAVY B.A 3 Production Rate Manufacturer's Name and Location USSI, IN O.3 12 12 12 3 *12 15 K Recorder Mig PLT Mig PLT Mig PLT Mig PLT Mig PLT Total ISSAL YEAR 1998 FISCAL YEAR 1999 CALENDAR YEAR 2000 FISCAL YEAR 2001 FISCAL YE	ACTIVITY NT, NAVY B.A 3 Production Rate	ACTIVITY NT, NAVY B.A 3 Production Rate Procurement Leadtimes Manufacturer's Name and Location MSR 1-8-5 MAX ALT Prior ALT After Initial Mfg PLT Total Measure USSI, IN 0.3 12 12 3 3 * 12 15 K Fiscal Year 1998 Fiscal Year 1998 Calendar Year 1998 Calendar Year 1998 Calendar Year 1999 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0 0.9 0.0

* Date of first delivery Nov 2000 due to ECP.

UNCLASSIFIED

		BUD	GET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/BI	UDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURI	Ė	AN/SSQ-62 (I	DICASS) SON	DBUOY
OTHER PROCU	REMENT, N	AVY						PEO(A	A) PROGRAM	NARM: #4032	00 SUBHEAD:	U3QF
Program Element for	Code B Items:						Other Related	Program Elem	nents			
B.A. 3 - AVIATIO	N SUPPOR	T EQU	IPMENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			24,461	23,647	15,453							
COST	¢527.2		\$27 Q	¢24.2	\$16.6	\$0.0	\$0.0	¢0.0	\$0.0	\$0.0		
(In Millions)	\$527.2		\$27.9	\$24.3	\$16.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.

The FY98 contract has been awarded to Raytheon (21,461) and Sparton (3,000) for a total quantity of 24,461.

The FY99 contract has been awarded to USSI (12,581) and Sparton (11,066) for a total quantity of 23,647.

The FY00 program provides for 15,453 sonobuoys to be competed among qualified manufacturers.

Beginning in FY01 the AN/SSQ-62 is combined into a new budget line - 404800 Sonobuoys, All Types.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY98 FY99 FY00 FY01 FY02 FY03 FY04 FY05 711 1002 1129 - - - - - -

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 121 PAGE NO. 1

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM C	OST AN	IALYSIS			Weapon Sys	stem							DATE:	
	P-5					AN/SSQ-62	(DICASS) S	SONOBUOY	,					Februa	ry 2000
APPRO	OPRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	RE/SUBHEAD)					
Other	Procurement, Navy														
B.A. 3	- AVIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM N	IARM #403	200 SUBH	IEAD U3QI	F			
			TOTAL COST	IN THOUS	ANDS OF DO	DLLARS									
COST		ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QF001	AN/SSQ-62 w/ SLC*	А	462,615	24,461	\$983.06	** *** **** 25,862	23,647	\$911.51	** 21,637	15,453	\$955.93	14,772			
QF830	PRODUCTION ENGINEERING		26,462			1,205			1,251			886			
QF860	ACCEPTANCE TEST		30,868			793			1,427			960			
	ECP		7,240												
* SO	NOBUOY LAUNCH CONTAINER														
** Th	I se FY98 & FY99 programs include funding for s I	l ilver. I													
*** In	addition to hardware, total costs include other i	tems se	parately priced s	i such as pro I	uduction line v	l /erifications, s 	ome design a	i and/or produc I	। tion readiness I	reviews, qu	ı ualification co İ	ı osts and data ı İ	oackages.		
**** FY9	08 program includes \$1.8M for costs associated	l with tra	I Insition to Therm	nal Battery. I											
DD FOR	RM 2446, JUN 86	P-1 SH	\$527,185 HOPPING LIST			27,860			24,315			16,618 CLASSIFICA			(

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 121 PAGE NO. 2

UNCLASSIFIED

BUDGET PROCUREMEN	T HISTORY A	AND PLANNING	EXHIBIT (P-5A)			Weapon System		A. DATE		
						AN/SSQ-62 (DICASS) SONOBUO	1		FEBRUA	RY 2000
B. APPROPRIATION/BUDGET ACTI	VITY				C. P-1 ITEM NOM	IENCLATURE			SUBHEAD	
Other Procurement, Navy	/									
B. A. 3 - AVIATION SUPPO	ORT EQUIPM	IENT			PEO(A) PRO	GRAM				U3QF
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY94 AN/SSQ-62D w/SLC FY96	13,296	\$938.69	NSWC CRANE	6/95	C/FFP	SPARTON, FL	8/96	5/97	YES	
AN/SSQ-62D w/SLC	1,446	\$1,364.30	NSWC CRANE	10/95	C/FFP	SPARTON, FL	4/96	3/98	YES	
FY97 AN/SSQ-62D w/SLC AN/SSQ-62D w/SLC The FY97 program includes \$	19,183 3,593 8.1M for an AN/5	\$873.60 \$1,135.21 SSQ-62E ECP.	NSWC CRANE NSWC CRANE	10/96 10/96	C/FFP C/FFP	SPARTON, FL RAYTHEON, IN	4/97 4/97	5/98 *5/99	YES YES	
FY98										
AN/SSQ-62E w/SLC	21,461 3,000	\$918.06 \$1,448.06	NSWC CRANE NSWC CRANE	10/97 10/97	C/FFP C/FFP	RAYTHEON, IN SPARTON, FL	2/98 2/98	* 11/99 * 10/99	YES YES	
The FY98 program includes S	\$1.8M for costs a	associated with tran	sition to Thermal Battery							
FY99 AN/SSQ-62E w/SLC AN/SSQ-62E w/SLC	11,066 12,581	\$907.41 \$914.63	NSWC CRANE NSWC CRANE	10/98 10/98	C/FFP C/FFP	SPARTON, FL USSI, IN	1/99 1/99	1/00 1/00	YES YES	
FY00										
AN/SSQ-62E w/SLC	15,453	\$955.93	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	

D. REMARKS

In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

The P-5A exhibit depicts only hardware quantities and unit costs.

* Due to complexity of FY97 ECP, contractual date of first delivery was modified. FY98 deliveries pending FY 97 qualification completion.

P-1 SHOPPING LIST ITEM NO.

FY 1998/99 BUDGET PRODUC			DULE	, P-21														DATE		FE	BRU	JAR	Y 20	000						
APPROPRIATION/BUDGET AC				•								1	Weap	oon (Syste	em		P-1	ITEN	1 N	OME	NC	LAT	URE						
OTHER PROCUREMENT,	NAV'	Y										AN/SS	Q-62 ((DICA	ASS)			PEO	(A) Pi	ROG	RAM	NAF	RM: #	4 4032	00					ij
,							Prod	ductio	n Ra	te				·	Proc	urem	ent	Lea	dtime	s										
		Mar	nufactu	rer's								AL.	T Pri	or	AL	T Aft	ter	I	nitial		R	eord	ler					Ur	nit of	i
Item	1	Name	and Lo	ocation	ı	MS	R	1-8	3-5	M	ΑX	to	Oct 1	1		Oct 1		M	fg PL	Τ	M	fg P	LT		Tota	I		Me	asur	е
AN/SSQ-62	USSI					0.25		2.6		8.0*						3			*** 1			3			15		K			
7 11 17 00 00 02		RTON	FI			0.25		8.0		8.0*						3			*** 1						15		K			
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	(Elle	ctive i	o Deci	ember	1990,	Rayın	eon	5 501	iobuc	וט צנ ו	IVISIC	n was	s purc	mas	lea b	y UI	iuei	sea (sens	ט וכ	ysie	HIS	Incc	T	aleu,	IIN)	$\overline{}$			
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									FISC	AL YE	AR 1	998										FISC	CAL Y	'EAR	1999					
ITEM / MANUFACTURER	F	S	Q	D	В	199	97					C	ALEND	AR Y	EAR	1998							CA	LEND	AR YE	AR 1	999			
	Υ	V	Т	E	Α	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Υ	L	L	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Ε	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	
AN/SSQ-62 - SPARTON (K)	94		13.3	8.2	5.1		1.7	1.6	1.1	0.7																	<u> </u>			0.0
AN/SSQ-62 - SPARTON (K)	96		1.4	0.0	1.4						1.4																└		<u> </u>	0.0
AN/SSQ-62 - SPARTON (K)	97		19.2	0.0	19.2								3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2					L.,		L	0.0
RAYTHEON (K) **	97		3.6	0.0	3.6																				1.0		1.3	₩	1.3	0.0
7114/000 02 OI /11(1014(11)	98		3.0	0.0	3.0					A																	-	+	-	3.0
AN/SSQ-62 - RAYTHEON (K) ** AN/SSQ-62 - SPARTON (K)	98 99		21.5	0.0	21.5 11.1					Α											Α						-	-	-	21.5 11.1
AN/SSQ-62 - SPARTON (K) AN/SSQ-62 - USSI (K)	99		12.6	0.0	12.6																A						₩	+	-	12.6
The FY 97 program includes 7.2M for an A		1 62F FC		0.0	12.0																А						₩	+	-	12.0
The Fredram molades 7.2m for air 7	1		Ì							FIGO	\ \ \/E	AR 200	^									FIO	241.34	EAR	0004		—			
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	A	199					1		ALEND											1	AR YE	AR 2	i i			В
	Y	C	Y	L	L	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	A	M	J	J	A	S	A
		Ŭ		-	-	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U	U	U	E P	L
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AN/SSQ-62 - SPARTON (K) **	98		3.0	0.0	3.0	0.9	0	0.9	1.2																		1	+	 	0.0
AN/SSQ-62 - RAYTHEON (K) **	98		21.5	0.0	21.5	0.0	0.4	0.4		1.7	1.7	2.0	2.4	2.4	3.4	3.4	2.9										\vdash	+	-	0.0
	1			l	l																						t			
AN/SSQ-62 - SPARTON (K)	99		11.1	0.0	11.1				0.5	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.7	1.6	1.6							1			0.0
AN/SSQ-62 - USSI (K)	99		12.6	0.0	12.6				1.0	1.0	1.5	0.6	0.6	0.7	0.8	0.8	0.9	1.5	1.6	1.6							Ī			Î
AN/SSQ-62 - NOT SELECTED (K)	00		15.5	0.0	15.5					Α												1.0	1.3	1.3	1.3	1.3	1.6	1.6	1.6	4.5

Remarks: The FY97 program includes \$7.2M for an AN/SSQ-62E ECP

^{*} IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 30%-50%. ** Due to complexity of FY 97 ECP, contractual date of first delivery was modified. FY98 deliveries pending FY97 qualification completion.

FY 2000/01 BUDGET PRODUC	CTION	SCHE	DULE	, P-21														DATE						200						
APPROPRIATION/BUDGET AC															-	tem			ITE											
OTHER PROCUREMENT,	, NAV	Υ				1							AN/S	SSQ-		ICAS			PEO(PRO	GRAN	Л NA	\RM:	#403	3200				
							Pro	ductio	n R	Rate									adtim		_						ı			
11	l .		nufactu		_		00	4.0	. –		A \/		ΤP			T Af			Initial			eord			T - (it of	
Item AN/SSQ-62	USSI		and L	ocation	1	0.25	SR ·	1-8 2.6	5-5	8.0	AX_	to	Oc	[]	-	Oct 1		IVI	fg PL 12	_ !	IVI	fg P	LI	1	Tota 15		K	Mea	sure)
AN/55Q-62		I, IIN RTON				0.25		8.0		8.0						3			12						15		K			
	SPAI	N I OIN	, rL			0.20)	6.0		0.0						<u> </u>			12						13		I.			
																											1			
								•	FIS	CAL YE	EAR 2	2002										FISC	CAL Y	ΈAR	2003					
ITEM / MANUFACTURER												(CALE	NDAR	YEAR	R 2002	2						CA	LEND	AR Y	EAR 2	2003			
	Y	V C	Y	E L	A L	0	N O	D	J		M	A	M	J	J	A	S	O C	N	D	J	F	M	A P	M	J	J	A	S	B A
						C T	V	E C	A N		A R	P R	A Y	U N	U L	U G	E P	T	O V	E C	A N	E B	A R	R	A Y	U N	L	U G	E P	L
									t																					
AN/SSQ-62 - NOT SELECTED (K)	00		15.5	11.0	4.5	1.5	1.5	1.5																						0.0
																												-		
									1																					
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										FISCA	L YEA	R 20	04									FISC	CAL Y	ΈAR	2005					
ITEM / MANUFACTURER	F	s	Q	D	В	2	2003					(CALEI	NDAR	YEAR	R 2004	1						CA	LEND	AR Y	EAR 2	2005			
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311 / 244 ITEM NO 121 PAGE 5

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40							Februa	ry 2000
APPROPRIATION/BUD	GET ACTIV	ITY					P-1 ITEM NO	MENCLATUR	AN/SSQ-101	(ADAR)		
OTHER PROCURE	MENT, NA	AVY						PEO (A	A) PROGRA	M NARM#	403600	
Program Element for Co	de B Items:						Other Related	Program Elem	ents			
Transitioned from	R&D PRO	GRAM	ELEMENT	0604261N ir	n FY 99							
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			0	1,790	2,514							
COST (In Millions)	\$0		\$0.0	\$19.4	\$16.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.

The FY99 contract has been awarded to Erapsco for a total quantity of 1,790.

The FY00 program provides for 2,514 AN/SSQ-101's to be awarded to Erapsco.

Beginning in FY01 the AN/SSQ-101 budget line is combined into a new budget line -- 404800, Sonobuoys, All Types

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.

P-1 SHOPPING LIST

ITEM NO. 122

PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED CLASSIFICATION:

	WEAPONS SYSTEM CO	OST AN	ALYSIS			Weapon Sys	stem							DATE:	
	P-5					AN/SSQ-10	1 (ADAR) SC	NOBUOY						Februa	ary 2000
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATUR	SUBHEAD						
Other I	Procurement, Navy														
BA3 - /	AVIATION SUPPORT EQUIPMENT						PEO(A) PR	OGRAM N	ARM #4036	00 SUBHE	EAD U3QT				
			TOTAL COST	IN THOUS	ANDS OF DO	DLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QT001	AN/SSQ-101 w/SLC*	В					1,790	8,000.00	** 17,562	2,514	6,258.48	15,734			
QT830	PRODUCTION ENGINEERING								842			473			
QT860	ACCEPTANCE TESTING								958			473			
	* SONOBUOY LAUNCH CONTAINER														
	** The FY99 program includes funding for silver	. In addi	tion to hardwa	re, total cost	 s include \$3l 	M for redesign	to address ob	solescent parts	 						
DD FOR	M 2446, JUN 86	P-1 SH	OPPING LIST			0			19,362			16,680 CLASSIFICAT		<u> </u>	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. PAGE NO. 2

UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-101 (ADAR) SONOBUO	Υ		February 20	00
B. APPROPRIATION/BUDGE					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement,	-									U3QT
BA3 - AVIATION SUI	PPORT EQI	UIPMENT		1	PEO(A) PRO	OGRAM NARM 403600		DATE OF	SPECS	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISIONS AVAILABLE
FY 99										
AN/SSQ-101	1.790	\$8,000.00	NSWC CRANE	10/98	SS/FFPI	ERAPSCO, IN	4/99	12/00	YES	
Total hardware costs include										
FY 00										
AN/SSQ-101	2,514	\$6,258.48	NSWC CRANE	10/99	SS/FFP	ERAPSCO, IN	3/00	3/01	YES	
D. REMARKS		<u>I</u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	<u> </u>	

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST 122 Classification:

PAGE NO.

3

FY 2000/01 BUDGET PRODU			DULE	E, P-2	1													DAT	E		F	ebr	uary	200	00					
APPROPRIATION/BUDGET A													Wea	-	-)	P-1	ITE											
OTHER PROCUREMEN	I, NA	/ Y										AN/S	SSQ-							. ,	PR	OG	RAN	1 NA	ARM	1 403	3600			
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AN/SSQ-101 (ADAR)		PSCO		ocalio	/11	TBE		TBI		TBE		ic	000		`	3		IV	21	<u> </u>	IVI	12	<u> </u>		24		+-	K	zSuit	-
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									F	ISCA	L YE	AR 19	998									FIS	CAL Y	'EAR	199	9				
ITEM / MANUFACTURER	F Y	S	Q T	D	В		1997					(CALEN	IDAR	YEAR	R 199	98						CA	LEN	DAR '	YEAR	1999			В
	Y	C	T Y	E L	A L	O C T	N O V	D E	J A	F E B	M A R	A P	M A	J J	J L	A U G	S E P	0 C T	N O V	D E C	J A	F E	M A	A P R	M A Y	U		A U	S E P	A L
AN/SSQ-101 - ERAPSCO, IN (K)	99		1.8	0	1.8	'	V	С	N	В	ĸ	R	Υ	N		G	Р	'	V	C	N	В	R	A	_	N	┢	G	Р	1.8
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		1999	D		_			CALEN						NI.	_	! .	F				YEAR		Τ_		В
		C	Y	L	L	O C T	N O V	E C	J A N	F E B	M A R	A P R	M A Y	N D	U U J	A U G	S E P	O C T	N O V	D E C	J A N	E	M A R	A P R	M A Y	U		A U G	S E P	A L
AN/SSQ-101 - ERAPSCO, IN (K)	99		1.8	0	1.8															0.3	0.2	0.2		0.4	0.4	1	1	_		0.0
AN/SSQ-101 - ERAPSCO, IN (K)	00		2.5	0	2.5						Α												0.2	0.2	0.3	3 0.3	0.4	0.3	0.3	0.5
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Remarks:																							1				Щ			Щ

311 / 244

FY 2000/01 BUDGET PRODU	CTION	SCHE	DULE	E, P-2	1													DAT	E		F	ebru	uary	200	00					
APPROPRIATION/BUDGET AC														•	•	stem)	P-1	ITE											
OTHER PROCUREMENT	I, NA	/ Y										AN/S	SSQ-					<u> </u>			PR	OGF	RAN	1 NA	RM	403	600			
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AN/SSQ-101 (ADAR)		PSCO		ocalio	n		<u>sк</u> ГВD		о-э ГВD		BD	ιο	Oct	. 1	<u>'</u>	3	!	IVI	fg Pl 12	-!	IVII	fg P	LI		Tota 15			Mea	K K	:
ANOSQ-101 (ADAIL)	LIXA	300	', IIN			'	טטו	'	טטו	'	טט					<u> </u>			12						10	,			IX.	-
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ITEM / MANUFACTURER	_	F S Q D B 2001								FISCA	L YE			IDAD	VEAL	R 200	12					FISC		EAR		EAR 2	2002			
TEM, WAR ARE SKER	Y	V	T	E	A	0	N	D	J	F	М	Α	M	J	J	A 200	S	0	N	D	J	F	М	A	M	J	J	Α	S	В
		С	Υ	L	L	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Ε	A L
	-					Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
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AN/SSQ-101 - ERAPSCO, IN (K)	00		2.5	2.0	0.5	0.2	0.2	0.1																						0
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ITEM / MANUFACTURER	F	S	Q	D	В		2003	,				C	ALEN	IDAR	YEAI	R 200)4						CA	LEND	AR Y	EAR 2	2005			
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311 / 244

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						F	ebruary 200	00
APPROPRIATION/BU	JDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE	SIGNAL, UND	DERWATER SO	OUND (SUS)	
OTHER PROCUE	REMENT, NA	VY							PEO(A) F	PROGRAM NARI	M#404500	
Program Element for 0	Code B Items:						Other Related	Program Eleme	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY	4,164		0	5,669	0							
COST												
(In Millions)	\$23.8		\$0.1	\$1.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The MK84 SUS is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK84 SUS device is used for training and exercise signaling to submarines.

The FY99 contract has been awarded to Sparton for a total quantity of 5,669.

In FY00 the SUS budget line is combined under NARM 405000 Miscellaneous Sonobuoys Less Than \$5M. Beginning in FY01 the SUS budget line will be combined under NARM 404800, Sonobuoys, All Types

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY99 FY 98 0

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

	WEAPONS SYSTEM CO	ST AN	ALYSIS			Weapon Sys	stem							DATE:	
	P-5					SIGNAL UN								Februa	ary 2000
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	RE/SUBHEAD						
Other F	Procurement, Navy														
B.A. 3 -	AVIATION SUPPORT EQUIPMENT						PEO(A) PR	OGRAM N	IARM #404	500 SUBH	EAD U3QI	+			
			TOTAL COST	IN THOUS	ANDS OF DO	DLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000				
0022		Couc	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QH003	SUS MK 84	А	20,357				5,669	195.39	1,122						
QH830	PRODUCTION ENGINEERING		1,728			109			194						
QH860	ACCEPTANCE TESTING		1,732						82						
	* The FY99 program includes funding for silver.														
			23,817			109			1,398						
DD FOR	M 2446, JUN 86	P-1 SH	OPPING LIST	l		, 100		1	.,550		1	CLASSIFICAT	TION:	1	1

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. PAGE NO. 2

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	ORY AND I	PLANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
						SUS MK 84			Februa	ry 2000
B. APPROPRIATION/BUDG	SET ACTIVITY				C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Other Procurement,	, Navy									U3QH
B.A. 3 - AVIATION S	SUPPORT EQ	UIPMENT			PEO(A) PRO	GRAM NARM 404500				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
QH003-SUS MK84	4,164	\$198.20	NSWC CRANE	8/96	C/FFP	SPARTON, FL	3/97	10/97	YES	
FY99										
QH003 - SUS MK84	5,669	\$195.39	NSWC CRANE	10/98	C/FFP	SPARTON, FL	1/99	1/00	YES	

D. REMARKS

P-1 SHOPPING LIST 123 Classification: DD Form 2446-1, JUL 87 ITEM NO.

PAGE NO.

3

^{*} In addition to the hardware costs, total costs include \$131K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages. The P-5A exhibit depicts only hardware quantities and unit costs.

FY 2000/01 BUDGET PRODUC			DULE	, P-21													DATE				Fe	brua	ary 2	000					
APPROPRIATION/BUDGET AC													•	-	stem		P-1	ITE											
OTHER PROCUREMENT	', NA\	/Y											SU		K 84				_ ` '		OGI	RAN	/ NA	RM	404	500	1		
						Pr	oduc	tion	Rate	!								adtir											
			nufactu									T Pi			T A			Initia			eord							nit of	
Item			and L	ocatio	n	MSR		-8-5		AХ	to	Oct	: 1	•	Oct '	1	M	fg Pl		M	fg P	LT		Tota				asure	9
SUS MK 84	SPAI	RTON				TBD	ТВ	D	TBI)					3			* 12	<u>. </u>					15			K		
							+																					—	
							-																						
		F S Q D B Y V T E A							FISCA	L YE	AR 19	98									FISC	CAL Y	/EAR	1999					
ITEM / MANUFACTURER	F	S	V T E A				7				(CALEN	NDAR	YEA	₹ 199	18						CA	LEND	AR Y	EAR 1	1999			
	Y	V C	T Y	E L	A L	O N C O T V	E	J A N	F E B	M A R	A P R	M A Y	ZCC	J	A U G	дπ	O C T	N O V	ОПО	J A N	F E B	M A R	A P R	M A Y	J U	J U	A U G	ВΕ	B A L
QH003-SUS MK84-SPARTON (K)	97		4.2		4.2	1.4		+		2.8			.,			•		•	Ü				<u> </u>	· ·		F	+	<u> </u>	0.0
QH003-SUS MK84-SPARTON (K)	99		5.7	0	5.7															Α							-	+-	5.7
																											 	<u> </u>	
																											+		
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A	199		1	1 _						R 200							1	LEND	1	EAR 2		Τ.	T _	В
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						T V		N	В	R	R	Y	N	L	Ğ	P	T	V	C	N	В	R	R	Y	N	L	G	Р	L
QH003-SUS MK84-SPARTON (K)	99		5.7	0	5.7			3.0	2.7																				0
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Demorker							_	-	-						1		_				_	-	-	1		-			4

Remarks: * Manufacturers currently require a 12 month Production Lead Time (PLT). The contractually required lead time has been adjusted accordingly. This change has no net affect as it has been incorporated into all procurements beginning in FY-99 and beyond.

DD Form 2445, JUL 87

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	ATION SHE	ET			DATE:			
				P-40						Februa	ary 2000	
APPROPRIATION/BU	JDGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE	Sonobuoys,	All Types	-	
OTHER PROCUE	REMENT, N	AVY							PEO(A) PF	ROGRAM NA	RM#404800	
Program Element for	Code B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			0	0	0	63,200	74,785	80,380	76,578	63,893		
COST (In Millions)		Α	\$0.0	\$0.0	\$0.0	\$49.5	\$59.0	\$64.3	\$65.2	\$65.8	CONTINUING	

Beginning in FY01 the Sonobuoy Budget lines are consolidated into one line -- Sonobuoys, All Types, NARM 404800.

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Prior to FY00 the AN/SSQ-36 was budgeted under NARM 400500. In FY00 the AN/SSQ-36 is budgeted under NARM 405000, Miscellaneous Sonobuoys, Less than \$5M.

The AN/SSQ-53 (DIFAR) is a directional sonobuoy which provides acoustic target localization. Prior to FY00 the AN/SSQ-53 was budgeted under NARM 402500. In FY00 the AN/SSQ-53 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming.

The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise. Prior to FY00 the AN/SSQ-57 was budgeted under NARM 403000. In FY00 the AN/SSQ-57 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming.

The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy. Prior to FY01 the AN/SSQ-62 was budgeted under NARM 403200.

The AN/SSQ-77 is a vertical line array directional Sonobuoy. It employs beamforming technology for use with the EER sensor system; and under specific water conditions increases passive performance. Prior to FY01 the AN/SSQ-77 is budgeted under NARM 403400.

P-1 SHOPPING LIST

ITEM NO. 124 PAGE NO. 1 CLASSIFICATION:

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UNCLASSIFIED

DD Form 2454, JUN 86

UNCLASSIFIED

		BUD	GET ITEM	JUSTIFIC <i>A</i>	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NOI	MENCLATURI	Sonobuoys,	All Types		
OTHER PROCURE	EMENT, N	AVY							PEO(A) PR	OGRAM NAI	RM #404800	
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			0	0	0	63,200	74,785	80,380	76,578	63,893		
COST												
(In Millions)		Α	\$0.0	\$0.0	\$0.0	\$49.5	\$59.0	\$64.3	\$65.2	\$65.8	CONTINUING	

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver. Prior to FY01 the AN/SSQ-101 is budgeted under NARM 403600.

The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search. Prior to FY01 the AN/SSQ-110 is budgeted under NARM 403800.

Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. Prior to FY00 the SUS was budgeted under NARM 404500. In FY00 the SUS was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than \$5M.

The Hydrostatic Sensor Fuze is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons. Prior to FY00 Hydrostatic Fuze was budgeted under NARM 404400. In FY00 the Hydrostatic Fuze was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than \$5M.

The FY01 program provides for 6,441 AN/SSQ-36's, 23,725 AN/SSQ-53's, 3,958 AN/SSQ-57's, 18,337 AN/SSQ-62's, 4,136 AN/SSQ-77's, and 5,123 SUS for a total of 61,720 to be competed among gualified manufacturers. The FY01 program provides for 1,480 AN/SSQ-101's to be awarded to ERAPSCO. Total projected FY01 procurement quantity is 63,200.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
_	_	_	3 637	3 404	3.012	3.077	3 139

P-1 SHOPPING LIST

ITEM NO. 124 PAGE NO. 2 CLASSIFICATION:

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CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	OSI ANA	ALYSIS			Weapon Sy	stem							DATE:	
	P-5					Sonobuoys	, All Types							Februa	ary 2000
Other I	PRIATION/BUDGET ACTIVITY Procurement, Navy - AVIATION SUPPORT EQUIPMENT					ID Code			JRE/SUBHEA		HEAD U3	QZ			
			TOTAL COS	T IN THOU	SANDS OF I	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QZ001 QZ002 QZ003 QZ004 QZ005 QZ006 QZ008 QZ009 QZ831 QZ832 QZ833 QZ834 QZ835 QZ836 QZ838 QZ838	HARDWARE AN/SSQ-36 AN/SSQ-53 AN/SSQ-57 AN/SSQ-62 AN/SSQ-77 AN/SSQ-101 w/SLC* SUS MK 84 Hydrostatic Fuse PRODUCTION ENGINEERING AN/SSQ-36 AN/SSQ-57 AN/SSQ-57 AN/SSQ-62 AN/SSQ-77 AN/SSQ-101 SUS MK 84 Hydrostatic Fuse	A							0 0 0 0 0 0 0 0 0 0			000000000000000000000000000000000000000	63,200 6,441 23,725 3,958 18,337 4,136 1,480 5,123	248.41 384.57 384.57 938.58 798.06 6,650.00 201.90	44,634 1,600 9,124 1,522 17,211 3,301 1,000 9,842 1,034 2,330 96 548 91 1,031 197 296 71
	* Sonobuoy Launch Container					0			0			0			

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

	WEAPONS SYSTEM C	OST AN	ALYSIS			Weapon Sy	stem							DATE:	
	P-5					Sonobuoys,								Februa	ary 2000
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	DMENCLAT	JRE/SUBHEA	'D					
	Procurement, Navy														
B.A. 3 -	AVIATION SUPPORT EQUIPMENT						PEO(A) P	ROGRAM	NARM 404	800 SUBI	HEAD U3C)Z			
			TOTAL COS	T IN THOUS	SANDS OF I	OOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
0022		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QZ861	ACCEPTANCE TESTING AN/SSQ-36					0			0			0			2,50 2
QZ862	AN/SSQ-53					0			0			0			59
QZ863	AN/SSQ-57					0			0			0			99
QZ864 QZ865	AN/SSQ-62 AN/SSQ-77					0			0			0			1,118 218
QZ866	AN/SSQ-171 AN/SSQ-101					0			0			0			296
QZ868	SUS MK84					0			ő			0			77
QZ869	Hydrostatic Fuze					0			0			0			0
	Subtotals by Buoy Type AN/SSQ-36														1,80
	AN/SSQ-53														10,26
	AN/SSQ-57														1,71
	AN/SSQ-62														19,36
	AN/SSQ-77														4,71
	AN/SSQ-101 SUS MK84														10,43 1,18
	Hydrostatic Fuze														1,10
	,														
						0			0			0			49,46
DD FORI	M 2446, JUN 86	P-1 SH	OPPING LIST	<u>!</u>	1	<u> </u>	l	1			1	CLASSIFICA	TION:	1	.5,40

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UNCLASSIFIED CLASSIFICATION:

BUDGET PROCUREM	ENT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						Sonobuoys, All Types			February 20	000
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOME	ENCLATURE			SUBHEAD	
Other Procurement, N	avy									
B.A. 3 - AVIATION SU	PPORT EQ	UIPMENT			PEO(A) PRO	GRAM NARM #4048	300		U3QZ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY01										
AN/SSQ-36 w/SLC* AN/SSQ-53 w/SLC* AN/SSQ-57 (SP) AN/SSQ-62E w/SLC* AN/SSQ-77 AN/SSQ-101 SUS MK 84 * Sonobuoy Launch Container	6,441 23,725 3,958 18,337 4,136 1,480 5,123	\$248.41 \$384.57 \$384.57 \$938.58 \$798.06 \$6,650.00 \$201.90	NSWC CRANE NSWC CRANE NSWC CRANE NSWC CRANE NSWC CRANE NSWC CRANE NSWC CRANE	10/00 10/00 10/00 10/00 10/00 10/00	C/FFP C/FFP C/FFP C/FFP SS/FFP C/FFP	NOT SELECTED NOT SELECTED NOT SELECTED NOT SELECTED ERAPSCO, IN NOT SELECTED	1/01 1/01 1/01 1/01 1/01 1/01 1/01	1/02 1/02 1/02 1/02 1/02 1/02 1/02	YES YES YES YES YES YES YES YES	

Classification: UNCLASSIFIED P-1 SHOPPING LIST DD Form 2446-1, JUL 87 P5A Page 1 of 1 ITEM NO. 124

PAGE NO. 5

FY 2000/01 BUDGET PRODUC			DULE,	P-21														DATE						2000)					
APPROPRIATION/BUDGET AC															Sys					1 NO										
OTHER PROCUREMENT	, NAV	Y, B.	A3									Sor	obu	ioys	, All	Тур	es		PEC	(A)	PRO	GRA	M N	ARM	#40	4800				
							Prod	luction	n Rat	te					Pr	ocui	reme	ent Le	eadtir	nes										
		Man	ufactu	rer's								AL	T Pı	rior	AL	T Af	ter		Initial		R	eord	er					Ur	nit of	
Item		Name	and Lo	cation		MS	R	1-8	-5	M/	١X	to	Oct	: 1	(Oct '	1	М	fg Pl	LT	M	lfg Pl	LT		Tota	l		Mea	asure	ļ.
AN/SSQ-36B	HERI	MES, (CANAI	DA*		0.25		12		12																		K		
AN/SSQ-36B, AN/SSQ-53/57		RTON.				0.25		12		12						3			12						15			K		
AN/SSQ-53/57	USSI	I, IN	,			0.25		12		12						3			12						15			K		
AN/SSQ-62	USSI					0.25		2.6		8.0*						3			12						15			K		
AN/SSQ-62		RTON,	. FL			0.25		8.0		8.0*						3			12						15		1	K		
AN/SSQ-77	TBD		,			TBD		TBD		TBD						3			12						15		1	K		
AN/SSQ-101 (ADAR)		PSCO	. IN			TBD		TBD		TBC						3			21			12			24		†	K		
SUS MK-84		RTON.				TBD		TBD		TBC						3			12					1	15		†	K		
									ISCAI	LYEAR		28										FIG	SCAL Y	/EAR	1000			<u> </u>		
ITEM / MANUFACTURER	F	s	Q	D	В	199	7	•	IOOAL	LILA	1 100		CALE	NDAF	R YEA	R 100	28					1 10		CALEN		FΔR 10	200			
TIEM / MARKET / COTORER	Y	V	T	E	A	0				_				INDA	I .			0		D	١.	-				LAK		_	_	В
		C	Y	L	L	C	N O	D E	J A	F E	M A	A P	M A	U	J	A U	S E	C	N O	E	J A	F E	M A	A P	M A	U	U	A U	S	A
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	L
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ITEM / MANUFACTURER	F	s	Q	D	В	199	20		· '	IOUAL		1 200		NDAE	R YEA	D 200	20					1 10		CALEN		EAD 20	101			
TIEM / MANOI ACTORER	Y	V	T	E	A	0		D		_				INDA	I .			0		_	١.	-				EAR 20		_	_	В
		С	Υ	L	L	C	N O	E	J A	F E	M A	A P	M A	U	U	A U	S E	C	N O	D E	J A	F E	M A	A P	M A	U	J	A U	S	A L
						Ť	V	C	N	В	R	R	Y	N	Ĺ	Ğ	P	T	V	C	N	В	R	R	Υ	N	Ĺ	G	P	L
AN/SSQ-36 - NOT SELECTED (K)	01		6.4	0	6.4																Α									6.4
AN/SSQ-53 - NOT SELECTED (K)	01		23.7	0	23.7																Α						<u> </u>	<u> </u>		23.7
AN/SSQ-57 - NOT SELECTED (K)	01		4.0	0	4.0																A						ـــــ			4.0
AN/SSQ-62 - NOT SELECTED (K)	01		18.3	0																	A			1			₩	-		18.3
AN/SSQ-77 NOT SELECTED (K) AN/SSQ-101- ERAPSCO, IN (K)	01 01		4.1 1.5	0	4.1 1.5																A		-				₽	-	-	4.1 1.5
MK 84 SUS - NOT SELECTED (K)	01		5.1	0	5.1																A						\vdash	+		1.8 5.1
IVIIX 07 303 - NOT SELECTED (K)	01		5.1	U	ა. 1																			1			\vdash	-		ე.
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Remarks: * If Mobilization is for m	املطندان	h	,,,,,, th						م اما ام	00 ro	4	d by	. 200	/ EC	10/							•		_	•					

Remarks: * If Mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

FY 2000/01 BUDGET PRODUC			DULE	, P-21														DATE						200						
APPROPRIATION/BUDGET AC														•	•	stem		P-1	ITE	ΜN	OMI	ENC	LAT	ΓUR	Ε					
OTHER PROCUREMENT,	NAV'	Y										Sor	nobu	loys	s, Al	ΙТу	pes		PEO	(A) F	PROC	GRAN	M NA	ARM:	#404	800				
							Pro	ductio	n Ra	ate					Pro	cure	mer	nt Lea	adtin	nes										
		Mar	nufactu	rer's								AL	T P	rior	ΑL	_T A	fter		Initia		R	eord	der					Un	it of	
Item	1	Name	and Lo	ocation	า	MS	SR	1-8	-5	M	AX	to	Oct	1		Oct	1	M	fg Pl	LT	M	fg P	LT		Tota	al		Mea	asure	Э
AN/SSQ-36B	HERI	MES,	CANA	DA*		0.25		12		12																		K		
AN/SSQ-36B, AN/SSQ-53/57	SPAF	RTON	, FL			0.25		12		12						3			12						15			K		
AN/SSQ-53/57	USSI	, IN				0.25		12		12						3			12						15			K		
AN/SSQ-62	USSI	, IN				0.25		2.6		8.0*	k					3			12						15			K		
AN/SSQ-62	SPAF	RTON	, FL			0.25		8.0		8.0*	k					3			12						15			K		
AN/SSQ-77	TBD		-			TBD		TBD		TBI	0					3			12						15			K		
AN/SSQ-101 (ADAR)	ERAF	PSCO	, IN			TBD		TBD		TBI	0					3			21			12			24			K		
SUS MK-84	SPAF	RTON	, FL			TBD		TBD		TBI)					3			12						15			K		
								•	FISC	AL YE	AR 2	2002			•						•	FISC	CAL Y	EAR	2003					
ITEM / MANUFACTURER	F	s	Q	D	В	20	001						CALE	NDAR	YEA	R 200	2									EAR 2	003			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J.	J	Α	s	0	N	D	J	F	М	Α	М	J	J.	Α	s	В
		С	Υ	L	L	C	0	Е	A	Е	Α	Р	Α	Ü	Ŭ	U	Е	С	0	Е	Α	Е	Α	Р	Α	Ü	Ü	U	Е	A L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
AN/SSQ-36 - NOT SELECTED (K)	01		6.4	0	6.4						0.5								0.5											0
AN/SSQ-53 - NOT SELECTED (K)	01		23.7	0	23.7														1.6									<u> </u>		0
AN/SSQ-57 - NOT SELECTED (K) AN/SSQ-62 - NOT SELECTED (K)	01 01		4.0 18.3	0	4.0 18.3				1.0										0.3									-		0
AN/SSQ-62 - NOT SELECTED (K) AN/SSQ-77 - NOT SELECTED (K)	01		4.1	0	4.1														0.2									-		0
AN/SSQ-101 - ERAPSCO, IN (K)	01		1.5	0	1.5														0.2									+		0
MK 84 SUS - NOT SELECTED (K)	01		5.1	0	5.1														0.4											0
									F	FISCA	L YEA	R 200	04									FISC	CAL Y	EAR	2005					
ITEM / MANUFACTURER	F	S	Q	D	В	20	003					C	CALE	NDAR	YEA	R 200	4						CA	LEND	AR Y	EAR 2	005			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	С	0	E	Α	Е	Α	Р	Α	U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	A L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
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Remarks: * If Mobilization is for n					I .				<u> </u>		rodu				<u> </u>									I				Щ.		

Remarks: * If Mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

UNCLASSIFIED

		BUD	GET ITEM	JUSTIFICA	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/BU	DGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	Miscellaneou	us Sonobuoys	Less Than \$5	M
OTHER PROCUE	REMENT, N	AVY							PEO(A) F	PROGRAM NAR	M#405000	
Program Element for 0	Code B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			0	0	8,070							
COST												
(In Millions)		Α	\$0.0	\$0.0	\$2.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

Miscellaneous Sonobuoys Less than \$5M provide unique functions including measuring ocean temperatures (AN/SSQ-36), Signal Underwater Sound (SUS) and Hydrostatic Sensor Fuses. The AN/SSQ-36 is an air-dropped bathythermograph transmitting set used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. The Hydrostatic Sensor Fuze is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons.

Prior to FY00 the AN/SSQ-36, SUS, and Hydrostatic Fuze were budgeted under NARMs 400500, 404500 and 404400, respectively.

The FY00 program provides for 8,070 AN/SSQ-36 sonobuoys to be competed among qualified manufacturers.

Beginning in FY01 the AN/SSQ-36, SUS, and Hydrostatic Fuze are combined into a new budget line -- 404800 Sonobuoys, All Types.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98 FY 99 FY 00 FY 01 FY 02 FY 03 FY 04 FY 05 0 0 0 0 0 0 0

P-1 SHOPPING LIST

ITEM NO. 125 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	OST AN	IALYSIS			Weapon Sy	stem							DATE:	
	P-5					Misc Sonob								Februa	ary 2000
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLAT	URE/SUBHE	AD					
	Procurement, Navy														
B.A. 3	AVIATION SUPPORT EQUIPMENT						PEO(A) PI	ROGRAM	NARM #40	5000 SU	BHEAD U	3QV			
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QV001	HARDWARE AN/SSQ-36 SUS MK 84 Hydrostatic Fuse	A				0 0			0 0 0	-,-	241.51	1,949 1,949 0			
QV830	PRODUCTION ENGINEERING AN/SSQ-36 SUS MK 84 Hydrostatic Fuse					0 0 0			0 0 0			147 77 70 0			
QV860	ACCEPTANCE TESTING AN/SSQ-36 SUS MK84 Hydrostatic Fuze					0 0 0			0 0 0			85 85 0			
	I	1				0			0			2,181			0
DD FOR	M 2446, JUN 86	P-1 SH	I IOPPING LIS	T T	1		1	1		l .	1	CLASSIFICA	TION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLAS

ITEM NO. 125 PAGE NO. 2

UNCLASSIFIED CLASSIFICATION:

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBI	Г (Р-5А)		Weapon System		A. DATE		
						Misc Sonobuoys Less Th	an \$5M		February 20	00
B. APPROPRIATION/BUDGE					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
Other Procurement,										
B.A. 3 - AVIATION SU	JPPORT EQ	UIPMENT				OGRAM NARM #4050	00		U3QV	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY00										
AN/SSQ-36 w/SLC	8,070	241.51	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	
D. REMARKS	1	l	<u> </u>	1	I	1		<u>I</u>	I	

P-1 SHOPPING LIST Classification: DD Form 2446-1, JUL 87 125 UNCLASSIFIED PAGE NO. 3

FY 2000/01 BUDGET PRODUC	CTION	SCHE	DULE	i, P-21	1													DATE				Febr			0					
APPROPRIATION/BUDGET AC																stem		P-1												
OTHER PROCUREMENT	, NAV	Y, B.	.A3									MIS	C Le	ess								GR/	AM N	IARI	<i>1</i> #40	5000	1			
							Proc	ductio	n Ra	ite					P	rocu	rem	ent L	.eadt	imes										
		Mar	nufactu	ırer's								AL٦	ΓPr	ior	AL	T Af	ter		Initia	l	R	eord	er					Un	it of	
Item	1	Name	and L	ocatio	n	MS	SR	1-8	-5	M	٩X	to	Oct	1	(Oct 1	1	M	lfg Pl	LT	M	lfg Pl	LT		Tota	I		Mea	asure	
AN/SSQ-36B			CANA	DA*		0.25		12		12																		K		
AN/SSQ-36B	SPAF	RTON	l, FL			0.25		12		12						3			12						15			K		
SUS MK-84	SPAF	RTON	l, FL			TBD		TBD		TBE)					3			12						15			K		
									FISC	AL YE	AR 1	1998										FIS	CAL Y	/EAR	1999					
ITEM / MANUFACTURER	F	s	Q	D	В	19	97					C	CALE	NDAF	R YEA	AR 19	98	_					C	ALEN	DAR Y	EAR 19	999			
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	C	0	E	A	E	Α	Р	Α	U	U	U	E	C	0	E	A	E	Α	Р	A	U	U	U	E	A L
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ITEM / MANUFACTURER	F	S	Q	D	В	19	99					C	CALE	NDAF	R YEA	AR 20	00						C	ALEN	DAR Y	EAR 20	001			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
AN/SSQ-36 - NOT SELECTED (K)	00		8.1	0	8.1					Α												0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.5
ANOSQ-30 - NOT SELECTED (N)	- 00		0.1	-	0.1																	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.3
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311 / 244 ITEM NO 125 PAGE 4 Exhibit P-21 Production Schedule

FY 2000/01 BUDGET PRODU			EDULE	Ξ, P-2′	1													DATE				ebr								
APPROPRIATION/BUDGET A															Sys							ENC								
OTHER PROCUREMEN	I, NAV	Y							_			MIS	C L	ess								GRA	M N	ARM:	#405	5000				
		N /	£4.				Pro	ductio	n R	ate		Λ1	T D.	.: - ·-			mer										I		:1 -1	
ltom			nufactu and L		n	MS	PD.	1-8	_	N 4	AX		T Pr Oct			T At			Initia fg P			eord			Tota	s.I		Mea	it of	
Item AN/SSQ-36B			CANA		11	0.25		12		12	ΑΛ	ıo	Oct	ı		JUL	<u> </u>	IVI	ig P	<u>LI</u>	IV	ilg P	<u> </u>		1016	11		K	asure	;
AN/SSQ-36B		RTON		NDA		0.25		12		12						3			12						15			K		
7111/000 000	0.71	111011	, , _			0.20		12		12									12						10					—
SUS MK-84	SPAI	RTON	l. FL			TBD		TBD		ТВІ	D					3			12						15			K		
			,																											
									FISC	CAL YI	EAR 2	2002										FISC	CAL Y	/EAR	2003					
ITEM / MANUFACTURER	F	S	Q	D	В	2	001					C	CALEN	IDAR	YEAF	R 200)2						C/	LENE	AR Y	EAR 2	2003			İ
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																												_		
AN/SSQ-36 - NOT SELECTED (K)	00		8.1	5.6	2.5	0.7	0.6	0.6	0.6																					0
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										FISCA	L YE	AR 20	04								1	FISC	CAL Y	/EAR	2005		1			Г
ITEM / MANUFACTURER	F	s	Q	D	В	2	003							IDAR	YEAF	R 200)4									EAR 2	2005			İ
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	B A
		С	Υ	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	L
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DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 125 PAGE 5

		BUDGET	TITEM JUSTIF	ICATION SH	HEET]	DATE:		
			P-40						Februa	ry 2000	
APPROPRIATIO	N/BUDGET ACTI	VITY				P-1 ITEM NO	MENCLATUR	RE	LI 420400		
OTHER PROCUE	REMENT, NAVY/	BA-3 Avia	tion Support	Equipment		WEAPONS F	RANGE SUPP	ORT EQUIPM	IENT		
Program Element	t for Code B Items	S:				Other Relate	d Program E	lements			
							_				
	Prior	ID								То	
	Years	Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY											
COST											
(In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), Southern California (SOCAL) Communications Upgrade, Large Area Tracking Range (LATR), Joint Tactical Combat Training System (JTCTS), Under Water Training Ranges (SWTR), Mobile Remote Emitter System (MRES), and generic systems such as range computer systems, simulation, and surveillance systems. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control, systems, and other specialized equipment.

Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and measure reliability and accuracy of operational weapon systems.

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Funding for installation of minor equipment is required in all years for all ranges.

		BUDGET	TITEM JUSTIF	ICATION SH	IEET			Г	DATE:		
			P-40						Februa	ry 2000	
APPROPRIATION	N/BUDGET ACTI	VITY				P-1 ITEM NO	MENCLATUR	RE	LI 420400		
OTHER PROCUR	REMENT, NAVY/	BA-3 Avia	tion Support	Equipment		WEAPONS F	RANGE SUPP	ORT EQUIPM	ENT		
Program Element	for Code B Items	S:				Other Relate	d Program E	lements			
	Prior	ID								То	
	Years	Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY											
COST											
(In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.

TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):

The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. The Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.

The FY 1999-2000 program will provide a significant upgrade to the Oceana TACTS Master Station at Bodie Island. This is required due to its age and outdated structural standards. Dangerous conditions prohibit the addition of new radio equipment or microwave dishes to support program requirements. Specifically, the LATR and Littoral Warfare Training Center (LWTC) communications needs cannot be served with the state of the existing tower. An upgraded tower will be integrated into a previously established government datalink and will directly support the LWTC communications bandwith requirements.

SHALLOW WATER TRAINING RANGES (SWTR):

Existing underwater ranges are situated in deep water and cannot provide training in Anti-Submarine Warfare (ASW) tactics employed in shallow coastal. waters. The Operational Requirements Document (ORD) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8. Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. The Shallow Water Ranges will cover five hundred nautical miles and will be located on the East and West Coast. Each range will be built in four phases and will be operational at the completion of each phase. All phases will be completed BY FY2010.

		BUDGET	ITEM JUSTIF P-40		HEET			[DATE:	ry 2000	
APPROPRIATIO						P-1 ITEM NO WEAPONS R		RE ORT EQUIPM	LI 420400	1 y 2000	
Program Element	t for Code B Items	S:				Other Relate	d Program E	lements			
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.

UNDERWATER ACOUSTIC TELEMETRY MODEM (UATM)

Shallow water ranges will have the capability to transmit acoustic telemetry data. Submarines will need to have UATMs on board to receive and process the data. UATMs are a necessary system component to allow for simulation/stimulation capability. The FY 2001 program funds the procurement of 10 UATMs.

GULF OF MEXICO (GOMEX) MINE WARFARE (MIW) RANGE

This project procures a portable Mine Warfare (MIW) training system to be used in conjunction with the existing Versatile Exercise Mine System (VEMS) in the Gulf of Mexico (GOMEX). The portable MIW training system will enable status information from the VEMS to be relayed in real time to participants engaged in MIW training exercises. This will provide exercise participants with real time feedback on the effectiveness of their MIW tactics.

LATR UPGRADE AT SCORE

During the testing of the LATR system at Southern California Offshore Range (SCORE), the Radio Frequency Interference (RFI) was so great that LATR was unable to establish and maintain the links required to transmit data. This made LATR inoperable at SCORE. FY-99 funding has been provided for a three phased approach which will convert the SCORE instrumentation to a new frequency which has been demonstrated to rectify the problem. Phase one to change the frequency of instrumentation is completed. Phase two to procure the additional instrumentation to permit SCORE to provide an initial operational capability is complete. The phase three contract, converting all remaining instrumentation at SCORE to the new frequency, is near completion. Final delivery will occur in second quarter FY2000.

LATR INTEGRATION FACILITY

The existing Software Support Activity (SSA) Facility cannot fully support the development and testing for LATR. FY2001 and FY2002 funding will make the current SSA an integration facility that can function as an operational LATR site capable of developing and testing system changes and upgrading hardware and software to support the PMRF Aircraft Combat Manuverability (ACM).

		BUDGET	ITEM JUSTIF P-40		HEET			[DATE:	ry 2000	
APPROPRIATIO						P-1 ITEM NO WEAPONS R		RE ORT EQUIPM	LI 420400	1 y 2000	
Program Element	t for Code B Items	S:				Other Relate	d Program E	lements			
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.

RANGELESS AIR COMBAT TRAINING SYSTEM

A Congressional increase of \$5.0 million was provided to conduct a technical evaluation, using actual equipment, to compare the capabilities, performance, and costs of an integrated LATR/Kadena Interim Training System (KITS) to JTCTS. To satisfy congressional intent, the Navy and Air Force jointly released a Broad Agency Announcement to solicit alternative systems concepts from industry for evaluation. Three million dollars of the Congressional increase was reprogrammed to the RDT&E appropriation and was obligated on contract to conduct the evaluation. Based on the results of the evaluation the remaining \$2.0 million will be used to procure JTCTS hardware.

JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)

The Joint Tactical Combat Training System (JTCTS) will procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. JTCTS is building on technology developed for existing tactical training range systems.

LOW ALTITUDE SURVEILLANCE RADAR (LASR)

Due to the low elevation of the San Clemente radar on Mt. Thirst and the terrain between Mt. Thirst and the water, blind spots exist in the low level and surface radar coverage of the ASW and Range Electronic Warfare Simulator (REWS) range areas. It is in these low level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon to Mt. Thirst and from the surface to 5,000 feet. FY2000 will fund the procurement of one (1) low level surveillance radar to cover existing blind spots at San Clemente.

	ICATION SH	HEET			DATE: February 2000								
P-40 APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT						
Program Element	t for Code B Items	S:				Other Relate	d Program E	lements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total		
QUANTITY													
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.		

MOBILE REMOTE EMITTER SYSTEM (MRES)

The Mobile Remote Emitter System (MRES) is a high power Electronic Warfare simulator system capable of illuminating aircraft, ships, and various other signal collection platforms, with emitters from 2 to 18 GHz. The system will also be capable of receiving active Electronic Countermeasures (ECM) transmissions from 500MHz to 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the Tactical Aircrew Combat Training System (TACTS) and/or video and Identification Friend or Foe (IFF) tracking modes for position pointing sources.

The MRES system will be capable of generating threat scenarios to support non-instrumented test and training sites and also support Navy and Joint exercises. The MRES will be a ruggedized, highly reliable and maintainable system. It will consist of off-the-shelf components incorporating minor modifications as necessary to meet unique mission support areas. It will have a VHF/UHF communications system to provide voice and data exchange with the test platform or exercise coordinator and Range Control facility. The FY 1998 funding procured one MRES system. Funding provided in FY99 is for one MRES variant and integration into PMRF. FY00 Congressional increase of \$6.0 million will be utilized for a second MRES for PMRF.

INTEGRATED TARGET CONTROL SYSTEM (ITCS) UPGRADE

Integrated Target Control System (ITCS) Upgrade is a drone control system designed to perform command, control, tracking and telemetry functions of target vehicles. This system can control targets out to a range of 250 nautical miles (line-of-sight), at an altitude of 100,000 feet. Telemetry of the system provides tracking, control, position display and performance-monitoring of targets. The FY 2001 program will provide a quantity of one system.

		BUDGET	TITEM JUSTIF	ICATION SH			[DATE:			
			February 2000								
APPROPRIATION/BUDGET ACTIVITY							MENCLATUR	RE	LI 420400		
OTHER PROCUR	REMENT, NAVY/	BA-3 Avia	tion Support I	Equipment		WEAPONS F	RANGE SUPP	ORT EQUIPM	IENT		
Program Element	for Code B Items	S:				Other Relate	d Program E	lements			
							_				
	Prior	ID								То	
	Years	Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY											
COST											
(In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.

FALLON COMMUNICATION UPGRADE

The Fallon training range employs a complex communications network consisting of a diverse configuration of radios, telephones, and other audio communications channels required to effectively and safely monitor and control all range activities. These channels are accessed and controlled at the Range Operations Center (ROC) operator stations by using a commercial communications switching system. The existing switching system does not provide the required channels or number of control consoles to support the existing range requirements. Because the current system is no longer in production, it is not possible to upgrade the system to meet these requirements. In addition, spare and vendor support is no longer available. The FY2001 program will provide a state-of-the-art, supportable, commercial communications system that will allow range personnel to access and use all range radio and telephone communications assets.

PACIFIC MISSILE RANGE FACILITY (PMRF) UPGRADES

Congressional increases of \$10.0 million in FY99 and \$5.0 million in FY00 have been provided for training range instrumentation upgrades to the PMRF.

BUDGET ITEM JUSTIFICATION SHEET FOR A	GGREGA	TED ITEM	S			DATE:					
P-40a			-					Februa	ary 2000		
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM	NOMEN	CLATURE		,		
OTHER PROCUREMENT, NAVY/ BA-3 Aviation	n Support	Equipmer	nt	WEAPON R	ANGE SUPP	ORT EQUIP	PMENT				
	ID	Prior						E) / 000 /	5)/ 0005	То	
Procurement Items	Code	Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
TACTS											
TACTS CONTROL AND COMPUTATIONAL SUBSYSTEM											
QUANTITY		4									4
COST (In Thousands)		1,250									1,250
BODIE ISLAND UPGRADE/LWTC DATALINK				+							
QUANTITY			2	1							3
COST (In Thousands)			642	385							1,027
SWTR (EC)	+										
QUANTITY		1-PHASE 1					1-PHASE 2		1-PHASE 3		CONT.
COST (In Thousands)		12,464					20,753		11,105	CONT	CONT
SWTR (WC)											
QUANTITY						1-PHASE 1		1-PHASE 2			CONT.
COST (In Thousands)						20,972		11,324	1,334	CONT	CONT
UNDERWATER ACOUSTIC TELEMETRY MODEM											
QUANTITY					10						10
COST (In Thousands)					2,665						2,665
GOMEX MIW RANGE											
QUANTITY					1						1
COST (In Thousands)					1,225						1,225
LATR SYSTEM											
LATR UPGRADE SCORE											
QUANTITY			47								47
COST (In Thousands)			800								800
LATR ACM RETROFIT				-							
QUANTITY	-	1				+			+		1
COST (In Thousands)		4,226									4,226
,		.,									,,==0
LATR INTEGRATION FACILITY											
QUANTITY					1	1					2
COST (In Thousands)	1			 	200	200					400
LASR SCORE				1							
QUANTITY				1							1
COST (In Thousands)				1,650							1,650
TELEMETRY	-			1							
QUANTITY	+	1		+	1	+	 	 	+	1	
	+	45.004			1	+	+	+	+	1	15.004
COST (In Thousands)		15,024							1		15,024

BUDGET ITEM JUSTIFICATION SHEET FO P-40a	OR AGGREGA	TED ITEM	S			DATE:	F	ebruary 200	00		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 AVI		Equipmer	nt	WEAPON RA	P-1 ITEM ANGE SUPPO	NOMENC ORT EQUIP					
Procurement Items	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
COMM UPGRADE											
QUANTITY											
COST (In Thousands)		787									787
FALLON COMM UPGRADE											
QUANTITY					1						1
COST (In Thousands)					565						565
ITCS UPGRADE											
QUANTITY					1	į į	1				2
COST (In Thousands)					500		300				800
SRAM											
QUANTITY						†					
COST (In Thousands)		48,006	3,176	2,991	4,255	4,894	5,400	4,464	4,846	CONT	CONT
JTCTS*											
Mobile Core/2 Debrief											
QUANTITY					1	2					
COST (In Thousands)					1,558	3,115				CONT	CONT
Fixed Core/2 Debrief											
QUANTITY							1	1	1		
COST							1,988	1,880	2,365	CONT	CONT
Ship PIP											
QUANTITY						2	2	8		CONT	CONT
COST						735	477	1570			
RANGELESS AIR COMBAT TRNG SYSTEM					-						
Mobile Core/2 Debrief											
QUANTITY			1								1
COST (In Thousands)			2000								2,000
MRES											
QUANTITY		1	1	1							3
COST (In Thousands)		4867	2,208	5200							12,275
AFWTF REPLACEMENT RADAR											
QUANTITY			-			1					1
COSTS (In Thousands)						2,800					2,800
PMRF UPGRADES											
QUANTITY			N/A	N/A							N/A
COSTS (In Thousands)			10,000	5,000							15,000
OTHER COSTS		837,972	4,025	7,811	4,157	3,629	5,687	6,644	6,798	CONT	CONT
TOTAL FUNDING		004 500	00.054	00.007	45.405	20.045	24.005	05.000	00.440	CONT	2012
TOTAL FUNDING *FY02: 2 Mobile core w/2 debrief and 2 track-only Ship Pa		924,596	22,851	23,037	15,125	36,345	34,605	25,882	26,448	CONT	CONT

^{*}FY02: 2 Mobile core w/2 debrief and 2 track-only Ship Participant Instrumentation Packages (PIPs)

FY03: 1 Fixed core w/2 debrief and 2 track-only ship PIPs

FY04: 1 Fixed core w/2 debrief and 8 track-only ship PIPs\

FY05: 1 Fixed core w/11 debrief

	WEAPONS SYSTEM COST ANAI P-5	LYSIS		WEA	PONS SYST	EM					DATE: Februa	ry 2000
Other I	PRIATION/BUDGET ACTIVITY Procurement, Navy viation Support Equipment					ENCLATURE/SUE 43SC S RANGE SU	BHEAD PPORT EQUIF	PMENT				
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 1999 Unit Cost	Total Cost	Quantity	FY 2000 Unit Cost	Total Cost	Quantity	FY2001 Unit Cost	Total Cost
SC002	AIRCREW EW TRAINING RANGES											
SC004	MRES SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	4,867 48,006	1	2,208 N/A	2,208 3,176	1	5,200 N/A	5,200 2,991		N/A	4,255
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS) TACTS Control & Computational Subsystem (CCS		1,250									
SC012	BODIE ISLAND UPGRADE/LWTC DATALII SWTR SWTR (EC)	NK 	12,464	2	321	642	1	385	385			
	SWTR (WC)									10	267	2,665
SC018	GOMEX MIW RANGE COMM UPGRADE		787								1,225	1,225
	FALLON COMM UPGRADE ITCS UPGRADE									1	565 500	565 500

UNCLASSIFIED

	WEAPONS SYSTEM COST ANA P-5	ALYSIS		WEAPON	NS SYSTEM						DATE: Februa	ary 2000
Other F	PRIATION/BUDGET ACTIVITY Procurement, Navy viation Support Equipment			ID Code		43SC RANGE SU	BHEAD	PMENT				
COST	ELEMENT OF COST	ID Code	Prior		FY 1999			FY2000			FY2001	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC020	JTCTS RANGLESS AIR COMBAT TRNG SYS	N/A		1	N/A	2,000				1	N/A	1,558
SC021	LASR SCORE	N/A					1	1,650	1,650			
SC034	LATR SYSTEM LATR ACM RETROFIT		4,226									
	LATR UPGRADE SCORE	N/A		47	17	800						
	LATR INTEGRATION FACILITY	N/A								1	200	200
SC601	TELEMETRY	N/A	15,024									
SC700	PMRF UPGRADES	N/A		N/A	N/A	10,000	N/A	N/A	5,000			
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	76,034	N/A		3,319	N/A		2,189	N/A		2,915
SC860	ACCEPTANCE TEST & EVALUATION	N/A	6,909	N/A		92	N/A		90	N/A		124
SC971	ILS, OTHER RANGES	N/A	32,138	N/A		339	N/A		212	N/A		390
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	9,053	N/A		275	N/A		5,320	N/A		728
	VARIOUS 1/		713,838									
1/ The an	 nount identified against this cost element ref 	lects total	prior year fu	 nding associated 	with cost eleme	nts no longer fi	 nanced in FY 1997 	and beyond.				
			924,596	6		22,851			23,037			15,125

BUDGET PROCUREMENT HISTO	RY AND	PLANNING	EXHIBIT	(P-5A)			Weapon System		A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy						C. P-1 ITEM NOM	ENCLATURE			February 20 SUBHEAD	sc
BA-3 AVIATION SUPPORT EQUI	PMENT					WEAPONS R	ANGE SUPPORT EQUI	PMENT			00
Cost Element/ FISCAL YEAR		QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SC002 AIRCREW EW TRAINING	RANGES	i									
MRES	1998 1999 2000	1 1 1	4,867 2,208 5,200	NAVAIR NAVAIR NAVAIR	8/98 N/A N/A	FFP FFP/OPTION FFP/OPTION	AMHERST AMHERST AMHERST	03/99 08/99 05/00	11/00 05/01 03/02	YES YES YES	N/A N/A N/A
SC004 SYS REPL & MOD		·	2,222								
	1998	N/A	2,033	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/98	YES	N/A
	1999	N/A	3,176	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/99	YES	N/A
	2000	N/A	2,991	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/00	YES	N/A
	2001	N/A	4,255	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/01	YES	N/A
SC007 TACTS											
TACTS CCS	1997	4	312.5	NAWCWD CHINA LAKE	N/A	PX	NAWCWD CHINA LAKE	01/97	10/99	YES	N/A
BODIE ISLAND UPG/LWTC											
DATALINK	1999 2000	2 1	321 385	NAVAIR NAVAIR	01/99 N/A	FFP FFP/OPTION	TBD TBD	02/00 02/00	01/01 04/01	YES YES	N/A N/A

D. REMARKS

*SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 30 APRIL of current FY.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT HISTOR	Y AND	PLANNING	EXHIBIT	(P-5A)			Weapon System		A. DATE		
AVIATION SUPPORT EQUIPMENT										February 20	00
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy						C. P-1 ITEM NOM	IENCLATURE			SUBHEAD	
BA-3 Aviation Support Equipment						WEAPONS F	RANGE SUPPORT EQUI	PMENT		43SC	
						CONTRACT			DATE OF	SPECS	IF NO
Cost Element/		QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	WHEN
FISCAL YEAR			COST (000)	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
SC012 SWTR											
EAST COAST	1997	1	12,464	NAVAIR	2/14/97	CPIFAF	SAIC/MARI PRO	09/97	09/00	YES	N/A
UATM	2001	10	267	NUWC	9/00	CPFF	TBD	04/01	06/02	NO	09/00
GOMEX MIW RANGE	2001	1	1,225	NUWC	N/A	PX	NUWC	11/00	06/02	N/A	
SC018 FALLON COMM UPGRADE	2001	1	565	SPAWARSYSCEN	12/00	FFP	TBD	04/01	12/01	YES	N/A
SC018 ITCS UPGRADE	2001	1	500	NAWCWD	N/A	PX	NAWCWD	01/01	01/02	YES	N/A
SC021 LASR SCORE	2000	1	1,650	SPAWAR SYS CEN SAN DIEGO, CA	N/A	PX	SPAWAR SYS CEN SAN DIEGO, CA	02/00	07/00	YES	N/A
SC034 LATR SYSTEM				CAR DIEGO, GA			SAN BILOO, OA				
LATR UPGRADE SCORE	1999	47	17	NAVAIR	08/98	FFP	L3 COMMUNICATIONS	12/98	9/99	YES	N/A
LATR INTEGRATION FACILITY	2001	1	200	NAWCADPAX	N/A	PX	NAWCADPAX	11/00	05/01	N/A	
SC020 JTCTS											
	2001	1	*1558	NAVAIR	09/00	FFP	RAYTHEON	11/00	06/02	YES	N/A
RANGELESS AIR COMBAT TRNG SYST											
	1999	1	*2000	NAVAIR	03/00	FFP	RAYTHEON	05/00	12/01	YES	N/A
				+	1	+	+				

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

^{*} FY99 provides 1 mobile core w/2 debrief; FY01 provides 1 mobile core w/2 debrief.

FY 2000/01 BUDGET PRODUC			DULE	E, P-21														DATE						200						
APPROPRIATION/BUDGET AC													Wea	pon	Sys	tem		P-1	ITE	ΜN	OMI	ENC	LAT	URI	Ē					
OTHER PROCUREMENT	, NAV	Y/BA	-3 A	viatio	າກ Sເ	ıpp	ort	Eqι	ıipr	mer	nt								Wea	аро	ns F	lanç	je S	upp	ort I	Equi	pm	ent		
							Pro	ducti	on F	Rate					Pro	cure	mer	nt Le	adtir	nes										
		Mar	nufactu	ırer's								AL	T Pr	ior	AL	T Af	ter	I	nitia		R	eorc	ler					Un	it of	
Item		Name	and L	ocatio	n	MS	SR	1-8	3-5	M	ΑX	to	Oct	1	(Oct 1	1	M	fg Pl	_T	M	fg P	LT		Tota	ıl		Mea	asur	е
MRES	AMH	ERST																												
BODIE ISLAND UPG/LWTC	TBD																													
LATR UPGRADE SCORE	L3 C	OMMU	JNICA	TION	S																									
LATR INTEGRATION FAC		CADE																												
TACTS CCS	NAW	CWD	CHIN	A LAK	Έ																									
FALLON COMM UPGRADE	TBD																													
ITCS UPGRADE	NAW	'CWD	CHIN	A LAK	Έ																									
LASR SCORE	SPA	NAR S	SYS C	ENTE	R																									
SW RANGE		/MAR																												
UATM	TBD	, .																												
GOMEX MIW RANGE	NUW	/C																												
JTCTS		THEO	N																											
RANGELESS AIR		THEO																												
		<u> </u>	Ì							ISC VI	VEA	R 19	20									EISC	NI V	EAR ·	1000					Т
ITEM / MANUFACTURER	F	s	Q	D	В		1997			ISCAI	LIEA		CALEN	IDAD	VEAR	100	,				I	rioc		LEND/		- A D 4	000			ł
TIEW/WANDPACTORER	Y	V	T	E	A			_		_										_	١.	_						Ι.		E
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						Т	V	C	N	В	R	R	Y	N	Ĺ	G	P	T	v	c	N	В	R	R	Y	N	Ĺ	Ğ	P	L
MRES	98	N	1	0	1																		Α							1
MRES	99	N	1	0	1																							Α		1
LATR UPGRADE SCORE	99	N	47	0	47															Α									7	40
																														<u> </u>
										=:00												=:04								┢
	_	_	_	_	В					FISC	CAL Y	EAR :										FISC		EAR 2						-
ITEM / MANUFACTURER	F Y	S V	Q T	D E	A		1999						ALEN		YEAR								1	LEND/		EAR 2	001	1		l P
	1	C	Ϋ́	L	L	0 C	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U	S E	0 C	N O	D E	J A	F E	M	A P	M A	J	J	A U	S	A
						Т	V	C	N	В	R	R	Y	N	L	G	P	T	v	C	N	В	A R	R	Y	N	L	G	P	L
MRES	98	N	1	0	1	Н													1	_	\vdash			—			—	Ė		0
MRES	99	N	1	0	1																				1					0
MRES	00	N	1	0	1								Α																	1
BODIE ISLAND UPG/LWTC	99	N	2	0	2					Α											2									0
BODIE ISLAND UPG/LWTC	00	N	1	0	1					Α														1						C
LATR UPGRADE SCORE	99	N	47	7	40	10	10	10	10										_											C
LATR INTEGRATION FACILITY TACTS CCS	01 97	N N	1 4	0	4	4													Α						1					
FALLON COM UPGRADE	01	N	1	0	1	4																		Α						1
ITCS UPGRADE	01	N	1	0	1																Α		1							1
LASR SCORE	00	N	1	0	1					Α					1															C
SW RANGE - LANT - EAST COAST	97	N	1	0	1												1													C
UATM	01	N	10	0	10																			Α				_		1
GOMEX MIW RANGE	01	N	1	0	1														Α				-					1		1
RANGELESS AIR COMBAT TRNG	99	N	1	0	1								Α										<u> </u>					_	-	
JTCTS	01	N	1	0	1														Α									1		1

FY 2000/01 BUDGET PRODUC			DULE	, P-21														DATE				ebru								
APPROPRIATION/BUDGET AC												'	Nea	pon	Sys	stem)	P-1	ITE	M N	OME	ENC	LAT	URE						
OTHER PROCUREMENT	NAV'	Y/BA	\-3 A	viati	on S	upp	ort	: Eq	uip	me	nt								Wea	apoi	ns R	ang	e S	upp	ort E	Equi	pme	∍nt		
							Pro	duct	ion F	Rate)				Pro	cure	emer	nt Le	adtii	nes	;									
			nufactu									AL	T P	rior		T A			nitia			eord						Un	it of	
Item		Name	and L	ocatio	n	M:	SR	1-8	8-5	M	AX	to	Oct	: 1		Oct	1	M	fg PL	Т_	M	fg Pl	LT		Tota	al	<u> </u>	Mea	asur	е
FALLON COMM UPGRADE	TBD																										<u> </u>			
TCS UPGRADE		CWD	CHIN	A LAK	E																						<u> </u>			
UATM	TBD																										<u> </u>			
GOMEX MIW RANGE	NUW																										<u> </u>			
JTCTS		THEO																												
RANGELESS AIR	RAY	THEO	N																											
									F	ISCA	L YEA	R 200)2									FISC	CAL Y	EAR	2003					
ITEM / MANUFACTURER	F	S	Q	D	В		2001						ALEN	IDAR	YEA	R 200)2						CA	LEND	AR Y	EAR 2	2003			
	Υ	V	T	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	
		С	Y	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
FALLON COMM UPGRADE	01	N	1	0	1			1																						T
TCS UPGRADE	01	N	1	0	1				1																					
UATM	01	N	10	0	10									10														<u> </u>		
GOMEX MIW RANGE	01	N	1	0	1									1													-	₩		
RANGELESS AIR COMBAT TRNS JTCTS	99 01	N N	1	0	1			1						1														-		
MRES	00	N	1	0	1						1			'																
WIKES	00	IN	<u> </u>	U	-						-											F100					Щ			一
ITEM / MANUEL CTUDED		_	Q	D	В		0000			FISC	CAL YI			ID 4 D	\/ - ^	D 00/						FISC		EAR		EAD 6	2005			-
ITEM / MANUFACTURER	F Y	S V	T	E	A		2003	Ι_		Τ_	1		ALEN		YEA			_		_						EAR 2		т.	Τ.	
	,	C	Y	L	L	O C	N O	D E	J A	F	M A	A P	M A	J	J	A U	S E	0 0	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S	
						Т	V	c	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
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CLASSIFICATION: UNCLASSIFIED
Exhibit P-21 Production Schedule

CLASSIFICATION: UNCLASSIFIED

Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BU	DGET ACTIVIT	Υ	DA	TE:	
			ОТІ	HER PROCUREMEN	T, NAVY BA-3			February	2000
P-1 ITEM NOMENCLATURE	=		Admin Le	adtime (after Oct1)	:	Pro	d Leadtime :		
SC007 TACTS CCS			4 MONT	HS		32	MONTHS		
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					=	=			
Unit Cost									
Total Cost									
Asset Dynamics									
Beginning Asset Position		0	0	0	4	4	4	4	4
Deliveries from all prior year	funding			4					
Deliveries from FY 1999 fun	ding								
Deliveries from FY 2000 fun	ding								
Deliveries from FY 2001 fun	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
raining Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position	า	0	0	4	4	4	4	4	4
nventory Objective or Curre	nt Authorized Allowance	4	4	4	4	4	4	4	4
nventory Objective	Actual Training	Other than Training	ıg	Disposals		Vehicles Eligible	e for	Aircraft:	
4	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac			
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
oads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
VRM Rqmt:	FY 1997:	FY 1997:	·	FY 1997:	·	Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	·	FY 1996:	·			BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

Exhibit P-20, Requirer	ments Study		AP	PROPRIATION/BL	IDGET ACTIVIT	Υ	DAT	E:	
			оті	HER PROCUREMEN	IT, NAVY BA-3			February	2000
P-1 ITEM NOMENCLATU	JRE		Admin Le	adtime (after Oct1)):	Proc	Leadtime :	-	
SC002 MRES			18 MON	THS		20 N	MONTHS		
			<u> </u>						
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		1	1	1					
Unit Cost		4867	2208	5200					
Total Cost		4867	2208	5200					
Asset Dynamics									
Beginning Asset Position						2	3	3	3
Deliveries from all prior y	ear funding				1				
Deliveries from FY 1999	funding				1				,
Deliveries from FY 2000	funding					1			
Deliveries from FY 2001	funding								
Deliveries from subseque	ent years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/At		_		_	_	_	_	_	
End of Year Asset Posit		0	0	0	2	3	3	3	3
	rrent Authorized Allowance	3	3	3	3	3	3	3	3
Inventory Objective	Actual Training	Other than Trainir	0	Disposals	N1/A	Vehicles Eligible		Aircraft:	
Accesto Do	Expenditures 0 FY 1998 thru	Usage FY 1998 thru	0	(Vehicles/Other) FY 1998 thru	N/A	FY 2000 Replac		TOAI: N/A PAA:	
Assets Rq Loads:	XXXXX:	XXXXX:		XXXXX:		Vehicles Eligible FY 2001 Replace		TAI	
WRM Rgmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen		Attrition Res:	
Pipeline:	FY 1997:	FY 1997.		FY 1997:		verlicie Augmen	ι.	BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:	1 1 1333.	1 1 1000.		1 1 1000.				Storage:	
Remarks:		<u> </u>		L		L		otorago.	

DD Form 2454, JUN 86

P-1 SHOPPING LIST

nts Study			PROPRIATION/BU		Υ	DAT		
				,			February	2000
Ē		Admin Le	adtime (after Oct1)	:				
PGRADE/LWTC		17 MON	THS	_	11 N	NONTHS	_	•
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
		2	1					
		321	385					
		642	385					
			0	0	3	3	3	3
funding								
ding			0	2				
ding				1				
ding								
years' funding								
ions/etc.								
า		0	0	3		3	3	3
nt Authorized Allowance			3	3	-	•	3	3
· ·	Other than Training	g						
	Usage	0		N/A				N/A
					Vehicle Augmen	t:		
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
							Storage:	
i c	funding ding ding ding ding ding ding ding	PRIOR YEARS funding ding ding ding ding ding ding ding	OTI Admin Le 17 MON PRIOR YEARS FY 1999 2 321 642 642	OTHER PROCUREMEN Admin Leadtime (after Oct1) 17 MONTHS PRIOR YEARS FY 1999 FY 2000 2	OTHER PROCUREMENT, NAVY BA-3	OTHER PROCUREMENT, NAVY BA-3 Admin Leadtime (after Oct1):	OTHER PROCUREMENT, NAVY BA-3 Admin Leadtime (after Oct1):	OTHER PROCUREMENT, NAVY BA-3

P-1 SHOPPING LIST CLASSIFICATION:

Exhibit P-20, Requirement	nts Study		AP	PROPRIATION/BU	DGET ACTIVIT	Υ	DAT	E:	
			ОТІ	HER PROCUREMEN	T, NAVY BA-3			February	2000
P-1 ITEM NOMENCLATURE	=		Admin Le	adtime (after Oct1):		Pro	d Leadtime :	-	
SC034 LATR UPGRADE	SCORE		3 MONT	HS		9 M	ONTHS		
			l.						
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			47						
Unit Cost			17						
Total Cost			800						
Asset Dynamics									
Beginning Asset Position				7	47	47	47	47	47
Deliveries from all prior year	funding								
Deliveries from FY 1999 fund			7	40					
Deliveries from FY 2000 fund	ding								
Deliveries from FY 2001 fund	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position	•		7	47	47	47	47	47	47
Inventory Objective or Curre			47	47	47	47	47	47	47
Inventory Objective	Actual Training	Other than Trainin	0	Disposals		Vehicles Eligible		Aircraft:	
47	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac		TOAI: N/A	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

TRAINING RANGES	PRIOR YEARS			,		d Leadtime :	February	2000
TRAINING RANGES	PRIOR YEARS	12 MONT	rhs `					
	PRIOR YEARS	FY 1999			100 1	MONTHS	1	
			FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
	i l				1-WC PHASE ONE	1-EC PHASE TWO	1-WC PHASE TWO	1-EC PHASE THREE
					20972	20753	11324	11105
					20972	20753	11324	11105
	0	0	0	1	1	1	1	2
nding			1EC PHASE ONE	0	0	0		
g								
g								
g								
rs' funding				0			1WC PHASE ONE	1EC PHASE TWO
s/etc.								
				1-PHASE		_		3-PHASES
				2-RANGES				2-RANGES
· ·		-			•			
		0		N/A				
XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	it:	Attrition Res:	
FY 1996:	FY 1996:		FY 1996:				BAI	
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
							Storage:	
	ggrs' funding s/etc. Authorized Allowance Actual Training Expenditures 0 FY 1998 thru XXXXX: FY 1997: FY 1996:	Adding Gray Gray Gray Gray Gray Gray Gray Gray	Section Sect	Section	Section Sect	20972 2097	20972 20753 2076	1324 1224 1224

Remarks:

* Inventory Objective is 2 as follows:

1. East Coast (EC) 4 phases

2. West Coast (WC) 4 phases

Total of 2 Ranges or 8 Phases

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Exhibit P-20, Requiremen	nts Study			APF	PROPRIATION/BUD	GET ACTIVITY		DAT	E:	
-				отн	IER PROCUREMENT,	NAVY BA-3			February	2000
P-1 ITEM NOMENCLATURE				Admin Lea	adtime (after Oct1):		Prod	Leadtime :	-	
SC020 JTCTS				2 MONTH	IS		19 N	MONTHS		
			PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary *						1	4	3	9	1
Unit Cost						1558	3850	2465	3450	2365
Total Cost						1558	3850	2465	3450	2365
Asset Dynamics										
Beginning Asset Position						0	0	1	5	8
Deliveries from all prior year										
Deliveries from FY 1999 fund	ding									
Deliveries from FY 2000 fund										
Deliveries from FY 2001 fund	ding						1			
Deliveries from subsequent y	ears' funding							4	3	9
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrition										
End of Year Asset Position						0	1	5	8	17
Inventory Objective or Currer		ce				67	67	67	67	67
Inventory Objective	Actual Training		Other than Trainir	0	Disposals		Vehicles Eligible	for	Aircraft:	
67	Expenditures	0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replace		TOAI: N/A	
Assets Rqd For Combat	FY 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:		XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:		FY 1997:		FY 1997:		Vehicle Augment	t:	Attrition Res:	
Pipeline:	FY 1996:		FY 1996:		FY 1996:				BAI	
Other:	FY 1995:		FY 1995:		FY 1995:	<u> </u>			Inactive Inv:	
TOTAL:									Storage:	

Remarks:

FY01: 1 mobile core w/2 debrief. FY02: 2 mobile core w/2 debrief and 2 track-only ship Participant Instrumentation Packages (PIPs). FY03: 1 fixed core w/2 debrief and 2 track-only ship PIPs. FY04: 1 fixed core w/2 debrief and 8 track-only ship PIPS.

FY05: 1 fixed core w/11 debrief.

P-1 SHOPPING LIST CLASSIFICATION:

UNCLASSIFIED DD Form 2454, JUN 86

Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BUI	OGET ACTIVITY	/	DA	ΓE:	
ı			ОТІ	HER PROCUREMENT	Γ, NAVY BA-7			February	/ 2000
P-1 ITEM NOMENCLATURI SC018 FALLON COMM U			Admin Le 7 MONT	adtime (after Oct1): HS			d Leadtime : IONTHS		
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					1				
Unit Cost					565				
Total Cost					565				
Asset Dynamics									
Beginning Asset Position					0		1	1	1
Deliveries from all prior year	r funding								
Deliveries from FY 1999 fun	ding								
Deliveries from FY 2000 fun	ding								
Deliveries from FY 2001 fun	ding					1			
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Fraining Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End oy Year Asset Positio					0	1	1	1	1
nventory Objective or Curre					1	1	1	1	1
Inventory Objective	Actual Training	Other than Trainin	•	Disposals		Vehicles Eligible	e for	Aircraft:	
1	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac			N/A
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

Exhibit P-20, Requireme	ents Study			PROPRIATION/BUDG	-		DA		
			ОТ	HER PROCUREMENT,	NAVY BA-3			February	2000
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1):		Pro	od Leadtime :		
SC034 LATR INTEGRAT	ION FACILITY		2 N	MONTHS				6 MONTHS	
1									
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					1	1			
Unit Cost					200	200			
Total Cost					200	200			
Asset Dynamics									
Beginning Asset Position						1	2	2	2
Deliveries from all prior year	r funding								
Deliveries from FY 1999 fun	ding								
Deliveries from FY 2000 fun	ding								
Deliveries from FY 2001 fun	ding				1				
Deliveries from subsequent	years' funding					1			
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End oy Year Asset Position					1	2	2	2	2
Inventory Objective or Curre					2	2	2	2	2
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligib		Aircraft:	
2	Expenditures N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Repla			N/A
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib		PAA:	
Loads: N/A	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

Exhibit P-20, Requireme	nts Study			PROPRIATION/BUD	-		DA		
	_			HER PROCUREMENT,	NAVY BA-3			February	2000
P-1 ITEM NOMENCLATUR	E			adtime (after Oct1):		P	rod Leadtime :		
SC012 UATM		1	7 N	MONTHS			1	14 MONTHS	1
		PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		FRIOR TLARG	1 1 1999	1 1 2000	10	1 1 2002	1 1 2003	112004	1 1 2003
Unit Cost					267				
Total Cost					2665				
Asset Dynamics					2000				
Beginning Asset Position					0	0	10	10	10
Deliveries from all prior year	funding				<u>_</u>		10	10	10
Deliveries from FY 1999 fun						1			
Deliveries from FY 2000 fun	0								
Deliveries from FY 2001 fun	Ü					10			
Deliveries from subsequent	years' funding								
Other Gains	-								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End oy Year Asset Positio					0	10	10	10	10
nventory Objective or Curre					10	10	10	10	10
nventory Objective	Actual Training	Other than Trainin		Disposals		Vehicles Eligi		Aircraft:	
10	Expenditures N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Rep			N/A
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligi		PAA:	
_oads: N/A	XXXXX:	XXXXX:		XXXXX:		FY 2001 Rep		TAI	
VRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augm	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

Exhibit P-20, Requireme	nts Study			AP	PROPRIATION/BUD	GET ACTIVITY		DA		
				ОТІ	HER PROCUREMENT,	NAVY BA-3			February	2000
P-1 ITEM NOMENCLATURI	E			Admin Le	adtime (after Oct1):		Pr	od Leadtime :		
SC012 GOMEX MIW RAN	NGE			2 N	IONTHS				19 MONTHS	
			PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						1				
Unit Cost						1225				
Total Cost						1225				
Asset Dynamics										
Beginning Asset Position						0	0	1	1	1
Deliveries from all prior year	funding									
Deliveries from FY 1999 fun	ding									
Deliveries from FY 2000 fun	ding									
Deliveries from FY 2001 fun	ding						1			
Deliveries from subsequent	years' funding									
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrit										
End oy Year Asset Positio						0	1	1	1	1
Inventory Objective or Curre		ce				1	1	1	1	1
Inventory Objective	Actual Training		Other than Trainin		Disposals		Vehicles Eligib		Aircraft:	
1	Expenditures	N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Repla			N/A
Assets Rqd For Combat	FY 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Eligib		PAA:	
Loads: N/A	XXXXX:		XXXXX:		XXXXX:		FY 2001 Repla		TAI	
WRM Rqmt:	FY 1997:		FY 1997:		FY 1997:		Vehicle Augmo	ent:	Attrition Res:	
Pipeline:	FY 1996:		FY 1996:		FY 1996:				BAI	
Other:	FY 1995:		FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:									Storage:	

Exhibit P-20, Requireme	nts Study			AP	PROPRIATION/BUDG	GET ACTIVITY		D	ATE:	
				ОТІ	HER PROCUREMENT,	NAVY BA-3			February	/ 2000
P-1 ITEM NOMENCLATURE				Admin Le	adtime (after Oct1):		P	rod Leadtime :		
SC018 ITCS UPGRADE				4 N	IONTHS				12 MONTHS	
			PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						1		1		
Unit Cost						500		300		
Total Cost						500		300		
Asset Dynamics										
Beginning Asset Position						0	0	1	1	2
Deliveries from all prior year	funding									
Deliveries from FY 1999 fund	ding									
Deliveries from FY 2000 fund	ding									
Deliveries from FY 2001 fund	ding						1			
Deliveries from subsequent	years' funding								1	
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attriti										
End oy Year Asset Position						0	1	1	2	2
Inventory Objective or Curre						2	2	2	2	2
Inventory Objective	Actual Training		Other than Trainin	0	Disposals		Vehicles Elig		Aircraft:	
2		N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Rep		A TOAI:	N/A
Assets Rqd For Combat	FY 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Elig		PAA:	
Loads: N/A	XXXXX:		XXXXX:		XXXXX:		FY 2001 Rep		TAI	
WRM Rqmt:	FY 1997:		FY 1997:		FY 1997:		Vehicle Augn	nent:	Attrition Res:	
Pipeline:	FY 1996:		FY 1996:		FY 1996:				BAI	
Other:	FY 1995:		FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:									Storage:	
Remarks:										

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

P-1 ITEM NOMENCLATURE SC021 LASR SCORE Buy Summary Unit Cost Total Cost Asset Dynamics Beginning Asset Position		PRIOR YEARS	Admin Lea	er Procurement, adtime (after Oct1): ONTHS FY 2000 1	FY 2001	Prod	Leadtime :	7 MONTHS FY 2004	y 2000 FY 2005
Buy Summary Unit Cost Total Cost Asset Dynamics		PRIOR YEARS	3 M	FY 2000	FY 2001				FY 2005
Buy Summary Unit Cost Total Cost Asset Dynamics		PRIOR YEARS	3 M	FY 2000	FY 2001	FY 2002	FY 2003		FY 2005
Unit Cost Total Cost Asset Dynamics		PRIOR YEARS		FY 2000 1	FY 2001	FY 2002	FY 2003		FY 2005
Unit Cost Total Cost Asset Dynamics		PRIOR YEARS	FY 1999	1	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Unit Cost Total Cost Asset Dynamics									
Total Cost Asset Dynamics									
Asset Dynamics				1650					
				1650					
					1	1	1	1	1
Deliveries from all prior year funding									
Deliveries from FY 1999 funding									
Deliveries from FY 2000 funding				1					
Deliveries from FY 2001 funding									
Deliveries from subsequent years' fu	nding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End oy Year Asset Position				1	1	1	1	1	1
Inventory Objective or Current Autho	rized Allowance			1	1	1	1	1	1
Inventory Objective Actu	al Training	Other than Trainin	ıg	Disposals		Vehicles Eligible	for	Aircraft:	
1 Expe	enditures N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Replace		TOAI:	N/A
Assets Rqd For Combat FY 1	998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads: N/A XXX		XXXXX:		XXXXX:		FY 2001 Replace	ment:	TAI	
WRM Rqmt: FY 1	997:	FY 1997:		FY 1997:		Vehicle Augment		Attrition Res:	
Pipeline: FY 1	996:	FY 1996:		FY 1996:				BAI	
Other: FY 1	995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 ITEM NOMENCLATURE SC020 RANGELESS AIR COM Buy Summary Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundir Deliveries from FY 1999 funding Deliveries from FY 2000 funding	MBAT TRAINING	SYSTEM	PRIOR YEARS	Admin Le	HER PROCUREMENT, adtime (after Oct1): IONTHS FY 2000	NAVY BA-3 FY 2001		Leadtime :	February 19 MONTHS	2000
Buy Summary Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding	MBAT TRAINING	SYSTEM		2 N	IONTHS	EV 2001		<u> </u>		
Buy Summary Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding	MBAT TRAINING	SYSTEM				EV 2001	F)/ 0005			T
Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding			PRIOR YEARS	FY 1999	FY 2000	EV 2001	F) (0005			
Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding			PRIOR YEARS	FY 1999 1	FY 2000	EV 2001	E) (0000			I
Unit Cost Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding				1		1 1 2001	FY 2002	FY 2003	FY 2004	FY 2005
Total Cost Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding										
Asset Dynamics Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding				N/A						
Beginning Asset Position Deliveries from all prior year fundi Deliveries from FY 1999 funding				2000						
Deliveries from all prior year fundi Deliveries from FY 1999 funding										
Deliveries from FY 1999 funding							0	1	1	1
<u> </u>	ing									
Deliveries from EV 2000 funding							1			
Deliveries from 1 1 2000 funding										
Deliveries from FY 2001 funding										
Deliveries from subsequent years'	' funding									
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attritions/e	etc.									
End oy Year Asset Position					0	0	1	1	1	1
Inventory Objective or Current Aut		Э			1	1	1	1	1	1
, ,	ctual Training		Other than Trainin	0	Disposals		Vehicles Eligible		Aircraft:	
	xpenditures	N/A	Usage	N/A	(Vehicles/Other)	N/A	FY 2000 Replac		A TOAI:	N/A
	Y 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
	XXXX:		XXXXX:		XXXXX:		FY 2001 Replac		TAI	
	Y 1997:		FY 1997:		FY 1997:		Vehicle Augmer	it:	Attrition Res:	
	Y 1996:		FY 1996:		FY 1996:				BAI	
	Y 1995:		FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:									Storage:	

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		BUE	GET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40					February 200	0		
APPROPRIATION/BU	DGET ACTIVI	TY					P-1 ITEM NO	MENCLATURI	Ė			
OTHER PROCUR	EMENT, N	AVY/ B	A-3 Aviatio	n Support	Equipment			EX	PEDITIONA	RY AIRFIE	LDS	
Program Element for C	ode B Items:						Other Related	Program Elem	nents			
0603512N												
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST (In Millions)	\$128.5	Α	\$6.6	\$2.4	\$0.1	\$3.3	\$7.6	\$7.6	\$7.8	\$7.9	Continuing	Continuing

EXPEDITIONARY AIRFIELDS (EAF)

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).

This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

A Total of twenty-eight (28) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships which is a operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 2000 budget request provides for PE and ILS for EAF procurement products.

The FY 2001 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products.

P-1 SHOPPING LIST

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В	UDGET	ITEM JUS	TIFICATION		AGGREGA	TED ITEMS			DATE:			
			P	P-40a						Februa	ry 2000	
APPROPRIATION/BUDGET AC							P-1 ITEM NOM	IENCLATURE				
OTHER PROCUREMENT,	NAVY/	BA-3 Aviat	ion Support	Equipment				EX	(PEDITIONAL	RY AIRFIELI	DS	
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Service Change Kits	А	\$13.7	\$0.0	\$2.4	\$0.0	\$0.0	\$0.0	\$0.7	\$1.0	\$1.0	Continuing	Continuing
F71/2 AM-2 Mat	Α											
QUANTITY		3,163								65		
COST (In Mil	lions)	(\$11.3)								(\$0.3)	(\$10.5)	(\$10.8)
Flatrack	Α											
Platrack QUANTITY	A	378		407				0	0			78
COST (In Mil	llions)	(\$2.4)		(\$2.4)				\$0.0	\$0.0			(\$4.
,		` '		` '								,,,
Revetment QUANTITY	В							864	1244	771		287
COST (In Mil	lions)	\$0.0						(\$0.7)	(\$1.0)	(\$0.6)	(0.1)	(\$2.
COST (III WIII	10110)	ψυ.υ						(ψυ.7)	(ψ1.0)	(ψυ.υ)	(0.1)	(ΦΖ.
MOSLS	Α		\$6.6	\$0.0	\$0.0	\$3.3	\$1.9	\$0.2	\$0.0	\$0.0		(\$12.0)
Moskits												
QUANTITY			22			6						2
COST (In Mil	lions)	\$0.0	(\$2.8)			(\$0.8)						(\$3.
0.11:												
Salkits QUANTITY			26			16						4
COST (In Mil	llions)	\$0.0	(\$3.8)			(\$2.5)						(\$6.
,	Ľ		V. /									ν.
Cabkits												
QUANTITY COST (In Mil	lione)	\$0.0	0 \$0.0			0 \$0.0	8 (\$1.9)	(\$0.2)				(\$2.
COST (IIT IVIII	liloris)	ψ0.0	ψ0.0			ψυ.υ	(ψ1.9)	(ψυ.Ζ)				(ψ2.
M-31 Mobile Arresting Gear	В											
QUANTITY COST (In Mil	lione)	\$0.0	0				5 \$5.4	7 \$6.4	7 \$6.5	7 \$6.7		(\$25.
COST (III IVIII	liioris)	\$0.0	0				φ3.4	φ0.4	φ0.5	φ0.7		(\$25.
Other	A	\$16.9	\$0.0	\$0.0	\$0.1	\$0.0	\$0.3	\$0.3	\$0.3	\$0.3	Continuing	Continuing
Various 1/	A	\$97.8										
Total Funding	+	\$128.5	\$6.6	\$2.4	\$0.1	\$3.3	\$7.6	\$7.6	\$7.8	\$7.9	Continuing	Continuing
1/ The amount identified against thi										• •	ÿ	Š
2/ Totals may not add due to round	ing.				P-1 SHOPPIN			CLASSIFICATI				

	WEAPONS SYSTEM COST ANAL	YSIS		Weapon Sy	stem							DATE:	
	P-5											Februa	ary 2000
	PRIATION/BUDGET ACTIVITY Procurement, Navy			ID Code	P-1 ITEM NO	DMENCLAT	JRE/SUBHE	√D					
	viation Support Equipment					EYPENI	TIONARY A	VIBEIEI D	9	/ 43SE			
DA3 - A						LAI LDI	HONAIN A		<u> </u>	/ 433L			
COST	ELEMENT OF COST		FY 1998			FY 1999			FY 2000			FY 2001	
0052		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SE010	Service Change Kits						2,446						
	F72 / 2 AM-2 Mat												
	Flatrack Revetment				407	6	(2,446)						
SE010	MOSLS			6,602									3,278
	Moskits	22	127	(2,788)							6	133	(798)
	Salkits Cabkits	26	147	(3,814)							16	155	(2,480)
TBD	M-31 Mobile Arresting Gear												
SE800	Integrated Logistics Support			10			0			33			15
SE830	Production Engineering			5			0			29			11
SE860	Acceptance Test & Evaluation												
	Various 1/												
	The amount identified against this cost element associated with cost elements no longer finance												
	1			6,617			2,446			62			3,304

DD FORM 2446, JUN 86

CLASSIFICATION:

BUDGET PROCURE	MENT HISTO	RY AND	PLANNING EXHIBIT (P-5A)		Weapon System		A. DATE		
									February 20	00
B. APPROPRIATION/BUDG					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
Other Procurement, BA3 - Aviation Sup	•	ment				EXPEDITIONARY AIRF	IFI DS		435	=
DAS - Aviation Su		IIICIII	1		CONTRACT	LAI EDITIONAN AINI	ILLDS	DATE OF	SPECS	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE	REVISIONS AVAILABLE
Flatrack										
FY 1999	407	6	Blount Island Command	Feb-99	*Option-FFP	Charleston Marine - Charleston SC	Apr-99	Sep-99	Yes	Jan-99
MOSLS - Moskits						Metalite Aviation Lighting -				
FY 2001	6	133	NAWCAD LKE	Dec-97	*Option-FFP	Winster Grove, Birmingham UK	Dec-00	Jun-01	No	NA
MOSLS - Salkits						Metalite Aviation Lighting -				
FY 2001	16	155	NAWCAD LKE	Dec-97	*Option-FFP	Winster Grove, Birmingham UK	Dec-00	Jun-01	No	NA
D. REMARKS										

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 127 Classification:

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Exhibit P-20, Requireme	nts Study		AF	PROPRIATION/E	BUDGET ACTIV	ITY		DATE:	
			0	THER PROCUR	EMENT, NAV	// BA-3		February 2000	
P-1 ITEM NOMENCLATURE	<u> </u>		Admin Le	adtime (after Oct1):	F	Production Lead	Time :	
EXPEDITIONAR	Y AIRFIELDS		2	Months				6 Months	1
SE010 MOSLS (MOSKITS)		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		22			6				
Unit Cost		127			133				
Total Cost		\$2,788			\$798				
Asset Dynamics									
Beginning Asset Position		0	22	22	22	28	28	28	28
Deliveries from all prior year	funding	22	0	0	0	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 2001 fund	ding	0	0	0	6	0	0	0	0
Deliveries from subsequent y	rears' funding	0	0	0	0	0	0	0	0
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attriti	ons/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position		22	22	22	28	28	28	28	28
Inventory Objective or Current	nt Authorized Allowance	28	28	28	28	28	28	28	28
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligib	le for	Aircraft:	
28	Expenditures	Usage		(Vehicles/Other))	FY 2000 Repla		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib	le for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

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Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/E	BUDGET ACTIVI	TY	D	ATE:	
			0	THER PROCUR	REMENT, NAV	Y/ BA-3	Fe	bruary 2000	
P-1 ITEM NOMENCLATURE			Admin Le	adtime (after Oct1):	Pr	oduction Lead T	ime :	
EXPEDITIONAR	Y AIRFIELDS		21	Months				6 Months	
			<u>'</u>			•			
SE010 MOSLS (SALKITS)		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		26			16				
Unit Cost		147			155				
Total Cost		\$3,814			\$2,480				
Asset Dynamics									
Beginning Asset Position		0	0	5	26	34	42	42	42
Deliveries from all prior year	funding	0	5	21	0	0	0	0	0
Deliveries from FY 1999 fund	ling	0	0	0	0	0	0	0	0
Deliveries from FY 2000 fund	ling	0	0	0	0	0	0	0	0
Deliveries from FY 2001 fund	ling	0	0	0	8	8	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	0	0	0
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrition	ons/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	1	0	5	26	34	42	42	42	42
Inventory Objective or Currer	nt Authorized Allowance	42	42	42	42	42	42	42	42
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	•
42	Expenditures	Usage		(Vehicles/Other)	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:	<u> </u>	FY 1997:		Vehicle Augmen	nt:	Attrition Res:	<u> </u>
Pipeline:	FY 1996:	FY 1996:	<u> </u>	FY 1996:				BAI	<u> </u>
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

Remarks:

P-1 SHOPPING LIST

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CLASSIFICATION:

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FY 2000/01 BUDGET PRODUCTION		DULE	, P-21															DATE			F	ebr	uary	/ 200	00					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAV		A-3											Wea	apon	Syst	em		P-1						TURI		IELI	DS			
							Pro	ducti	ion F	Rate					Proc	urer	nen	t Lea	dtim	nes										
Item			ufactuand L	ırer's ocatior	า	M	SR	1-8	3-5	M	٩X		T Pr Oct			ΓAft Oct 1			nitial g PL			eord fg P	-		Tota	ıl		_	nit of asur	
Minimum Optical Strip Lighting System (MOSLS) - Moskits	Meta	alite A	viation	Lighti Birming	ng -																								E	<u> </u>
Minimum Optical Strip Lighting System	Meta	alite A	viation	Lighti	ng -		•	2		3			0			2			6			6			28					
(MOSLS) - Salkits Minimum Optical Strip Lighting System				Birmino Lighti			1	2	2	3	3		0			2			6			6			42				E	
(MOSLS) - Cabkits				Birming		1	1	2	<u> </u>	3	}		0			2			6			6			9				E	
ITEM / MANUFACTURER			Q	D	В				F	ISCA	L YEA											FISC		EAR						
HEM / MANUFACTURER	F Y	S V C	T Y	E L	A L	O C	1999 N O	D E	J A	F E	M A	A P	M A	Ŋ	YEAR J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	J		S E	B A L
Moskits	2001		6	0	6	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N 2	L 2	G 2	Р	0
Salkits Salkits	1998 2001		26 16	5	21 16	2	2	2	2	2	2	3	3	3												2	2	2	2	8
										FISC	AL YE	ΔR ′	2002									FISC	2ΔΙ Υ	EAR	2003					
ITEM / MANUFACTURER	F	S	Q	D	В		2001			1100	,, (L 1 L			IDAR	YEAR	2002						1100		LEND		=AR 2	003			1
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Moskits	2001		6	6	0																									0
Salkits Salkits	1998 2001		26 16	26 8	8	2	2	2	2																					0
Remarks:																								<u> </u>						

311 / 244 ITEM NO 127 PAGE 7 Exhibit P-21 Production Schedule

UNCLASSIFIED

		BUE	GET ITEM	JUSTIFIC <i>A</i>	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR				
Other Procurem	ent, Navy/B	8A-3 - A	viation Sup	port Equip	ment			A/C F	Rearming E	quipment -	43SH	
Program Element for	Code B Items:						Other Related	Program Elem	nents			
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY									=			
COST (In Millions)	279.1		9.9	12.7	12.4	10.7	12.3	12.4	12.7	12.9	Cont'd	Cont'd

This program funds the procurement of common Armament Support Equipment (ASE) and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.

This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) procurement of new support equipment (SE), and (c) procurement of Armament Weapon Support Equipment (AWSE). These items support sustained operations and surge deployments of the CV battle groups.

Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D Weapons Loader, Linkless Ammunition Loading System (LALS II), A/E32K-3 RAMS, MHU-202M Munitions Trailer, and the LALS Replenisher.

Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns. Examples of the equipment are the HLU-196D/E Bomb Hoist and the ADU-722/E Hoist Adapter.

P-1 SHOPPING LIST

ITEM NO. 128 PAGE NO. 1

CLASSIFICATION:

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BU	DGET	ITEM JU	STIFICATIO	N SHEET F	OR AGGRE	GATED IT	EMS		DATE:			
P-40a										F	ebruary 200)0
APPROPRIATION/BUDGET	Γ ACTI\	/ITY					P-1 ITEM NO	MENCLATUR	Ė			
OTHER PROCUREME	NT, N	AVY/ BA-	3 - Aviation	Support Ed	quipment		A/C Rearm	ing Equipn	nent			
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
1. LALS II	Α	20,082	8,200	8,288	9,249							45,819
Qty		69	44	85	72							270
2. HLU-196D/E Bomb Hoist	Α	5,084		1,263		5,897	6,217	5,426				23,887
Qty		407		3		199	199	165				973
3. A/S32K-1D Wpns Loader	Α	19,829		293								20,122
Qty		339		342								681
Cycling Adapter	Α	583			314							897
Qty		39			21							60
5. A/M32K-4A Mun Trlr	Α	17,250		442	473	1,983	2,060	627				22,835
Qty		1150		29	31	132	137	42				1521
6. ADU-699A/E Sonobuoy Adp	Α					200		950	975			2,125
Qty						4		76	78			158
7. ADU-433/434 Adapter	Α	831		224	186							1,241
Qty		277		81	69							427
8. ADU-514/A/E Missile Adptr	A						854	583				1,437
Qty							427	293				720
9, Next Generation Handler	A								2,150	8,473		10,623
Qty									3	42		45
SUB TOTAL		63,659	8.200	10,510	10,222	8,080	9,131	7,586	3,125	8,473	0	128,986

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 128 PAGE NO. 2

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ı	BUDGE	T ITEM JUS	TIFICATIO	N SHEET FO	OR AGGREC	SATED ITE	MS		DATE:			
P-40a										Fe	ebruary 2000)
APPROPRIATION/BUDGE	T ACTIVIT	ΓΥ					P-1 ITEM NOM	//ENCLATURE				
OTHER PROCUREME	ENT, NA	VY/ BA-3 -	Aviation Su	pport Equi	pment		A/C Rearmi	ng Eguipm	ent			
	ID	Prior				E) / 0004				E)/ 0005	То	T
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
10. A/M32U-13B Maint Trlr	Α					420						420
Qty	Α					14						14
11. ADU-722/E Hoist Adptr	Α					252						252
Qty						394						394
12. A/F32K-1A Bomb Table	Α						520					520
Qty							26					26
13. AERO-91A Adapter	Α								120			120
Qty									300			300
14. LME Qty	Α								3,300 220			3,300 220
15. MHU-151/M Trailer Qty	Α							1,500 100	1,875 125			3,375 225
-												
16. AERO-74A Adapter Qty	Α							1,277 170	1,729 230	2,213 295	4,387 585	9,606 1280
•							000	-				
17. ADU-400/E Adapter Qty	Α						666 18					666 18
Various 1/		192,767					11. 57/12					
1/ The amount identified again SUB TOTAL	st this cost	element reflects 256,426	total prior year t						10,149	10,686	Cont	Cont
Other		22,712	1,742	2,220						2,247	Cont	Cont
TOTAL		279,138	9,942	12,730						12,933	Cont	Cont

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 128 PAGE NO. 3

UNCLASSIFIED

	WEAPONS SYSTEM CO P-5	OST AN	ALYSIS			Weapon Sy	rstem				DATE: Fe	bruary 20	00		
APPRO	PRIATION/BUDGET ACTIVITY					ID Code									
OTHE	R PROCUREMENT, NAVY/BA-3 -	Aviati	on Suppo	rt Equip	ment		A/C Rear	ming Eq	uipment						
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SH004	Shipboard/Shorebased WSE														
	1. LALS II	Α	20,082	44	186.36	8,200	85	97.50	8,288	72	128.46	9,249			
	2. HLU-196D/E Bomb Hoist	Α	5,084				3	421.00	1,263				199	29.63	5,897
	3. A/S32K-1D Weapons Loader	Α	19,829				342	0.86	293						
	4. Cycling Adapter	Α	583							21	14.95	314			
	5. A/M32K-4A Munitions Trailer	Α	17,250				29	15.24	442	31	15.26	473	132	15.02	1,983
	6. ADU-699A/E Sonobuoy Adapter	Α											4	50.00	200
	7. ADU-433/434 Adapter	Α	831				81	2.77	224	69	2.70	186			
	8. ADU-514A/E Missile Adapter	Α													
	Next Generation Munitions Handler	Α													
	10. A/M32U-13B Maint Trailer	Α											14	30.00	420
	11. ADU-722/E Hoist Adapter	А											394	0.64	252
SH830	Production Engineering		19,859			1,558			1,666			1,755			1,524
SH860	Acceptance Test and Evaluation		2,853			184			365			410			400
	Other*		192,767						189						
DD FOR	M 2446, JUN 86		279,138			9,942 P-1 SHOPPI			12,730			12,387 CLASSIFICA	TION:		10,676

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PAGE NO.

ITEM NO. 128

UNCLASSIFIED

BUDGET PROCUREMEN	T HISTOR	Y AND PI	LANNING EXHIBIT (P-5A)		Weapon System		A. DATE	⊏ aba	2000
B. APPROPRIATION/BUDGET ACT	II/ITV				C. P-1 ITEM N	NOMENCLATURE			SUBHEAD	ry 2000
Other Procurement, N		3 - Avia	tion Support Equ	ipment		ning Equipment				SH
	19.1), 27 1	7 111.01	a.pp = qu			g =qp				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
SH004										
LALS II										
FY 1999	85	97.50	NAWC Lakehurst	07/98	C/FFP	HYDRAULICS INTERNATIONAL	04/01/99	01/01/00	Yes	
FY 2000	72	128.46*	NAWC Lakehurst		FP/OPTION	HYDRAULICS INTERNATIONAL	03/01/00	01/01/01	Yes	
HLU-196D/E Bomb Hoist										
FY 1999	3	421.00	NAWC Lakehurst	12/98	C/FFP	BREEZE EASTERN	04/01/99	08/01/00	Yes	
FY 2001	199	29.63	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	11/01/00	09/01/01	Yes	
ADU-433/434 Adapter										
FY 1999	81	2.77	NAWC Lakehurst	02/99	C/FFP	COMPUTABASED MACHINE	04/01/99	10/01/99	Yes	
FY 2000	69	2.70	NAWC Lakehurst		FP/OPTION	COMPUTABASED MACHINE	12/01/99	06/01/00	Yes	
A/M32K-4A Munitions Trailer										
FY 1999	29	15.24	NAWC Lakehurst	04/97	C/FFP	DYNCORP	11/30/98	08/30/99	Yes	
FY 2000	31	15.26	NAWC Lakehurst		FP/OPTION	DYNCORP	01/01/00	10/01/00	Yes	
FY 2001	132	15.02	NAWC Lakehurst	04/00	C/FFP	TBD	11/01/00	08/30/01	Yes	
Cycling Adapter										
FY 2000	21	14.95	NAWC Pt. Mugu	08/99	C/FFP	NAWC Pt Mugu	03/01/00	09/01/00	Yes	
ADU-699A/E Adapter										
FY 2001	4	50.00	NAWC Lakehurst	05/00	C/FFP	TBD	12/01/00	10/01/01	Yes	
A/S32K-1D Weapons Loader										
FY 1999	342	0.86	NAWC Lakehurst	06/99	SS	GSE Spares, Inc Mesquite, TX	09/30/99	03/28/00	Yes	
D REMARKS										

D. REMARKS

* FY00 unit cost reflects procurement of LALS II replenishers.

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UNCLASSIFIED

BUDGET PROCUREM	ENT HISTOR	Y AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE	F.1	
B. APPROPRIATION/BUDGET A	ACTIVITY				C. P-1 ITEM	NOMENCLATURE		<u> </u>	SUBHEAD	ry 2000
Other Procurement		3 - Aviat	ion Support Equip	oment		ming Equipment				SH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
SH004									NOW:	
A/M32U-13B Maintenance Trailer FY 2001	14	30.00	NAWC Lakehurst	04/97	C/FFP	DYNCORP	11/01/00	08/01/01	Yes	
ADU-722/E Adapter FY 2001	394	0.64	NAWC Lakehurst	06/00	C/FFP	TBD	11/01/00	05/01/01	Yes	
D. REMARKS										
*										

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Exhibit P-20, Requirem	ents Study	APPROPRIATION	/BUDGET ACTIV	/ITY			Date:		
-	-	A/C Rearming Eq	uipment					February 2000	
P-1 ITEM NOMENCLATUR	RE	Admin Leadtime (after Oct 1):				Production Lead	ltime:	
Other Procurement, Na	vy BA-3 Aviation SE			6 months				10 m	onths
LALS II		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
_		44	85	72	F1 2001	F1 2002	F1 2003	F1 2004	F1 2005
Buy Summary Unit Cost									
		186.36	97.50	128.46					
Total Cost		8,200	8,288	9,249					
Asset Dynamics									
Beginning Asset Position		34	69	113	176				
Deliveries from all prior year		35	44						
Deliveries from FY 1999 fur				63	22				
Deliveries from FY 2000 fur					72				
Deliveries from FY 2001 fur	3								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position	n	69	113	176	270				
Inventory Objective or Curre	ent Authorized Allowance	270	270	270	270				
Inventory Objective	Actual Training	Other than Trainii	ng	Disposals		Vehicles Eligible	for	Aircraft:	
270	Expenditures	Usage		(Vehicles/Other)	FY 2000 Replace	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:		1		BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

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 ITEM NO.
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 PAGE NO.
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 UNCLASSIFIED

UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study	APPROPRIATION	/BUDGET ACTI\	/ITY			Date:		
•	-	A/C Rearming Eq	uipment					February 2000	
P-1 ITEM NOMENCLATUR	RE .	Admin Leadtime (_ •				Production Lead	•	
Other Procurement, Nav	vy BA-3 Aviation SE		2 months					10 m	onths
HLU-196D/E Bomb Hoist		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		11.1000	3	1 1 2000	199	199	165	1 . 200 .	1 1 2000
Unit Cost			421.00		29.63	31.24	32.89		
Total Cost			1,263		5.897	6,217	5.426		
Asset Dynamics			1,203		3,037	0,217	3,420		
Beginning Asset Position					3	19	202	401	
Deliveries from all prior year	funding				3	10	202	701	
Deliveries from FY 1999 fund	· ·			3					
Deliveries from FY 2000 fund	0								
Deliveries from FY 2001 fund					16	183			
Deliveries from subsequent	<u> </u>				-		199	165	
Other Gains	-								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ons/etc.								
End of Year Asset Position				3	19	202	401	566	
Inventory Objective or Curre			566	566	566	566	566	566	
Inventory Objective	Actual Training	Other than Training	ng	Disposals		Vehicles Eligible		Aircraft:	
566	Expenditures	Usage		(Vehicles/Other)	FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

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FY 2000/01 BUDGET PRODUC			DULE	E, P-2	1													DATE						200						
APPROPRIATION/BUDGET ACT			ation	Cunn	a=4 Fa	!							We	apon	Sys	stem		P-1	ITEN	Л				ATL.		auir	mer			
OTHER PROCUREMENT, NAVY	DA-3	- AVI	ation	Supp	ort Ec	luipi			ion F	Rate					Pro	CUITE	mer	nt I e	adtim	168		VC I	Real	1111111	ıg E	quip	mei	<u>н</u>		
		Mar	nufacti	ırer's			1 10	uuci	10111	Vale		ΔΙ	TP	rior		_T A		_	Initial		R	eord	ler				1	Un	it of	
Item	١ ١			ocatio	n	M	SR	1-8	8-5	MA	ΔX		-			Oct			fg PL			g Pl	-		Tota	al		Mea		
	WDH			.ooalio	11	2		1-8		8	<i>V</i> (- "	, 00			6		101	10	- '	101	10			16			NTH		
				worth C	a	4		1-8		12						6			10			10			16			NTH		
HLU-196D/E	, ,															2			10			10			12			NTH		
1120 1005/2	6D/E Breeze Eastern Union NJ 15																													
	FISC																													
ITEM / MANUFACTURER														ENDAR	ΥFΔI	R 100	18					FISC		EAR LEND		FΔR 1	aga			
,	Y	V	T	E	A	0	N	D	_	F	М	Α	M	I	ı	A	s	0	N	D	1	F	М	A	М	I	J	Α	S	В
		С	Υ	L	L	C	0 V	E	A N	E B	A R	P R	A	U	U	U	E P	C	0 V	EC	A N	E B	A R	P R	A Y	U	U	U	E P	A L
LALS II-WDH	98	N	44	0	44			Ü	-			-		.,	Ė			4	4	4	4	4	4	4	4	4	4	4	•	0
LALS II-HI	99	N	85	0	85																			Α						85
HLU-196D/E	99	N	3	0	3																			Α						3
										=:00																				
ITEM / MANUFACTURER	F		Q	D	В		4000			FISC	JAL Y	'EAR		ENDAR	\/E A I	D 000						FISC		EAR :		E 4 D 6	2004			
TIEW / WANGFACTORER	Y	S V	T	E	A		1999	_		_				NDAK	YEAI	1	i i			-		_	I	LEND	I	EAR 2			_	В
	· ·	Ċ	Y	L	L	O C	N O	D E	J A	F E	M A	A P	M A	U	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	Α
						Т	٧	С	N	В	R	R	Υ	N	L	G	P	Т	V	С	N	В	R	R	Υ	N	Ĺ	G	P	L
LALS II-HI	99	N	85	0	85				7	7	7	7	7	7	7	7	7	7	7	8										0
OPTION I	00	N	72	0	72						Α										8	8	8	8	9	9	9	9	4	0
HLU-196D/E	U-196D/E 99 N 3 0															3												\vdash		0
OPTION I	199														Α										16	183				
																												\vdash		
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Remarks:							<u> </u>																<u> </u>		<u> </u>					

DD Form 2445, JUL 87

P-1 SHOPPING LIST

311/244 ITEM NO 128 PAGE 9

FY 2000/01 BUDGET PRODU	CTION	SCHE	DULE	E, P-2	1													DATE				ebru								
APPROPRIATION/BUDGET A OPTHER PROCUREMENT			\-3 - <i>i</i>	Aviat	ion S	Supp	ort	Ec	quip	me	nt		We	apon	Sys	tem		P-1	ITEN	ΛNC	OME A	NCI	LAT Rea	URE rmir	i ng E	quip	ome	nt		
							Pro	duct	ion F	Rate								nt Le	adtim	nes										
Item		Name	nufactu and L	ocatio		MS			8-5	MA			T P			T A	fter 1		Initial Ifg PL			eord fg P			Tota			Mea		
ILU-196D/E	Bree	ze Ea	stern l	Jnion	NJ	15		1-8	-5	30						2			10			10			12		MO	NTH	IS_	
																												<u> </u>	<u> </u>	
TEM / MANUFACTURER															\/F.4.F							FISC		EAR :		EAR 2				Г
HEW/ WANGFACTURER							I	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
HLU-196D/E	01	N	199	16	183	16	16	16	16	17	17	17	17	17	17	17														0
																														E
																														-
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							ı			FISC	AL Y	EAR 2	2004			1						FISC	AL Y	EAR :	2005		•			
ITEM / MANUFACTURER	F	S	Q	D	В	2	003						CALE	NDAR	YEAR	200	4		1 1			ı	CA	LEND	AR Y	EAR 2	2005			┨.
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A L
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DD Form 2454, JUN 86

UNCLASSIFIED

			BUDGET	ITEM JUST	TIFICATION	SHEET				DATE:			
				P-4	10						Februa	ry 2000	
APPROPRIATION/BI	JDGET ACTIV	ITY						P-1 ITEM NO	MENCLATUR	Ė			
OTHER PROCUE	REMENT, NA	AVY / B	A 3 AVIATI	ON SUPPOR	RT EQUIPM		AIRCRAFT L	AUNCH AND	RECOVERY E	QUIPMENT (A	LRE) - 43SJ		
Program Element for	Code B Items:						Other Related	Program Elen	nents				
0603512N and	0604512N							NOT APP	LICABLE				
	Prior	ID										То	
	Years	Code		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY													
COST (In Millions)	\$499.2			\$32.1	\$37.5	\$40.4	\$36.4	\$32.8	\$38.2	\$34.2	\$35.6	CONTINUING	CONTINUING

This program provides for procurement of major aircraft Launch, Recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:

- (1) urgent fleet problems associated with the safe and reliable operation of existing equipment;
- (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and;
- (3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety.

Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shippyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements

The FY 1999 program consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for the Long Range Line-up System (LRLS), Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.

The FY 2000 program request consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for LRLS, ADMACS / ISIS, IFLOLS, PE, ILS, ATE, and FMP/NFMP installations for FY 2000 and prior years.

The FY 2001 budget request consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for ADMACS / ISIS, IFLOLS, MORIAH, PE, ILS, ATE, and FMP/NFMP installations for FY 2001 and prior years.

P-1 SHOPPING LIST

ITEM NO. 129 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

	В	UDGET ITEM J	USTIFICATION SE P-4		GGREGATE	DITEMS			DATE:	Febru	ary 2000	
APPROPRIATION/BUDGI	ET ACTI	VITY					P-1 ITEM NOI	MENCLATURE	=		,	
OTHER PROCUREM	ENT, N		ATION SUPPORT	EQUIPMEN	Γ					VERY EQUI	PMENT (ALF	RE) - 43SJ
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
SERVICE CHANGE KITS		124.3	12.1	2.8	9.3	6.0	5.7	14.1	14.7	17.9	CONTINUING	CONTINUING
LAUNCHER S/C KITS	Α											
QUANTITY												
COST (In Millions))		(8.6)	(1.2)	(8.8)	(3.4)	(2.1)	(4.5)	(5.8)	(5.1)	CONTINUING	CONTINUING
VLA S/C KITS	Α		, ,	, ,	<u> </u>	` '	, ,	ì	, ,	ì		
QUANTITY												
COST (In Millions))		(1.5)	(0.4)	(0.3)	(0.7)	(3.0)	(2.9)	(4.1)	(4.7)	CONTINUING	CONTINUING
RECOVERY S/C KITS	Α		, ,	i i	1	` ,	, ,	, ,	<u> </u>	, ,		
QUANTITY												
COST (In Millions))		(2.0)	(1.2)	(0.3)	(1.9)	(0.6)	(6.6)	(4.8)	(8.1)	CONTINUING	CONTINUING
Various 1/	Α											
QUANTITY												
COST (In Millions))	\$143.8										\$143.8
LRLS - CV(N)	В											
QUANTITY				5	5							10
COST (In Millions))			\$0.8	\$0.8							\$1.6
LRLS - Shore	В											
QUANTITY			4									4
COST (In Millions))		\$0.6									\$0.6
ADMACS-ISIS CV(N)	В											
QUANTITY				1	4	3	1					9
COST (In Millions))			\$2.2	\$8.5	\$6.5	\$2.2					\$19.4
ADMACS-ISIS LHA/D	В											
QUANTITY					İ			İ	1			
COST (In Millions))											
IFLOLS - CV(N)	В											
QUANTITY				5	5			1	1			10
COST (In Millions))			\$7.1	\$6.7							\$13.8
IFLOLS - Shore	В											
QUANTITY					3	8	6	3	1			20
COST (In Millions))				\$1.5	\$4.0	\$3.0	\$1.5				\$10.0
2301 (111 (111110113)					ψ1.0	\$1.0	\$0.0	ψ1.0				ψ10.

P-1 SHOPPING LIST

CLASSIFICATION:

PAGE NO. 2 ITEM NO. 129 DD Form 2454, JUN 86

UNCLASSIFIED

	BU	JDGET IT	EM JUSTIF	ICATION SI	HEET FOR A	AGGREGAT	ED ITEMS			DATE:			
				P-4	0a						Feb	ruary 2000	
APPROPRIATION/BUDG	ET ACT	IVITY						P-1 ITEM NO	MENCLATURI	=			
OTHER PROCUREM	ENT, I	NAVY / B	A 3 AVIATIO	N SUPPOR	T EQUIPME	NT		AIRCR	AFT LAUNG	CH AND REC	COVERY EC	QUIPMENT (AL	RE) - 43SJ
Procurement Items	ID Code	Prior Years		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
												, , , , , , , , , , , , , , , , , , , ,	
AS/32P-25 Fire Truck	Α												
QUANTITY				14									14
COST (In Millions)		\$8.7		\$2.6									\$11.3
MORIAH	В												
QUANTITY								5	7			15	27
COST (In Millions)								1.3	\$2.0			\$2.0	\$5.3
MORIAH - Shore	В												
QUANTITY								3					3
COST (In Millions)								\$0.5					\$0.5
VISUAL													
QUANTITY	В								2	3	3	14	22
COST (In Millions)									\$3.0	\$4.5	\$4.5	\$21.0	\$33.0
ILS													
QUANTITY													
COST (In Millions)		\$30.0		\$1.7	\$2.2	\$0.8	\$0.7	\$1.1	\$1.9	\$0.9	\$0.5	CONTINUING	CONTINUING
PE													
QUANTITY													
COST (In Millions)		\$59.1		\$3.7	\$5.7	\$1.7	\$1.3	\$1.6	\$2.0	\$1.3	\$1.1	CONTINUING	CONTINUING
ATE													
QUANTITY													
COST (In Millions)		\$1.8		\$0.2	\$0.4	\$0.4	\$0.0	\$0.1	\$0.1	\$0.1	\$0.1	CONTINUING	CONTINUING
Installation - NFMP													
QUANTITY													
COST (In Millions)		\$106.7		\$9.9	\$11.3	\$7.1	\$7.9	\$7.4	\$9.3	\$9.8	\$8.0	CONTINUING	CONTINUING
Installation - FMP													
QUANTITY													
COST (In Millions)		\$24.8		\$1.4	\$5.0	\$3.6	\$9.9	\$9.9	\$4.3	\$2.9	\$3.5	CONTINUING	CONTINUING
1/ The amount identified agai	nst this c	ost element i	reflects total prio	r year funding as	sociated with cos	I st elements no lo	nger financed in	FY 1997 and bey	l /ond.				
		A 405.5	.							0.12		OOLITINII IIN'O	OONTINU
TOTAL		\$ 499.2	\$ -	\$ 32.1	\$ 37.5	P-1 SHOPP			\$ 38.2 CLASSIFICA		\$ 35.6	CONTINUING	CONTINUING

DD Form 2454, JUN 86 ITEM NO. $\,$ 129 PAGE NO. $\,$ 3

CLASSIFICATION: UNCLASSIFIED

	W	/EAPON	IS SYSTEM COST P-5	T ANALYSIS	6				Weapon Sys	stem							DATE: Februa	ary 2000
APPROI	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	DMENCLATU	RE/SUBHEAD)					-
OTHER	PROCUREMENT, NAVY / BA 3 AVIA	ATION	SUPPORT EQU	IPMENT						AIRCRAF	T LAUNCH	AND REC	OVERY EC	UIPMENT	(ALRE) - 4	3SJ		
			TOTAL COST IN T	HOUSANDS	OF DOLLAR	S												
COST	ELEMENT OF COST	ID Code	Prior Years					FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	Service Change Kits	Α	124,345						12,073			2,766			9,335			5,971
	LAUNCHER Catapults - CV(N) Catapult Support Equipment - CV(N)								(4,286) (4,336)			(398) (759)			(1,422) (7,370)			(2,388) (981)
	VISUAL LANDING AIDS Visual Landing Aids - CV(N) Visual Landing Aids - ACS								(73) (1,393)			(135) (300)			(256)			(355) (376)
	RECOVERY Arresting Gear - CV(N) Helicopter Landing System (HLS) - ACS								(1,372) (613)			(406) (768)			(287)			(563) (1,308)
N/A	Various 1/		143,786															
SJ210 SJ220	LRLS - CV(N) LRLS - Shorebased	B B					4	153	612	5	166	830	5	160	800			
SJ230	ADMACS / ISIS - CV(N)	В								1	2,100	2,100	4	2,133	8,532	3	2,177	6,530
SJ240 SJ250 SJ260 FBD FBD FBD	IFLOLS - CV(N) IFLOLS - Shorebased P-25 FIRE TRUCK MORIAH MORIAH - Shorebased VISUAL	B B A B B	8,729				14	185	2,590	5	1,422	7,109	5 3	1,348 500	6,740 1,500	8	500	4,000
SJ800 SJ830 SJ860	Integrated Logistics Suppport Production Engineering Acceptance, Test & Evaluation		29,988 59,056 1,779						1,656 3,656 226			2,245 5,739 449			761 1,739 387			709 1,335 45
SJ900 SJ910	Installation - NFMP Installation - FMP		106,674 24,797						9,872 1,378			11,259 4,991			7,062 3,576			7,925 9,918
	1/ The amount identified against this cost eleme	nt reflects	s total prior vear fundir	na associated	with cost elem	ents no longer	financed in F	 ′ 1997 and bev	ond.									
			499,154]			32,063			37,488			40,432			36,433

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 129 PAGE NO. 4

DD Form 2446-1, JUL 87

UNCLASSIFIED

JDGET PROCUREME	ENT HISTOR	Y AND PL	ANNING EXHIBIT (I	P-5A)		Weapon System		A. DATE		
								Fe	ebruary 2	000
APPROPRIATION/BUDGET					C. P-1 ITEM NON				SUBHEAD	
HER PROCUREMENT	, NAVY / BA :	3 AVIATION	SUPPORT EQUIPMI	ENT	AIRCRAFT LA	UNCH AND RECOVERY E	QUIPMEN	NT (ALRE)	43	BSJ
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST '(000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILAB
SJ210 LRLS - CV(N) FY 1999	5	166	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	06/99	06/00	Yes	N/A
SJ210 LRLS - CV(N) FY 2000	5	160	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	12/99	12/00	Yes	N/A
SJ230 ADMACS / ISIS FY 1999	1	2,100	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	08/99	09/00	Yes	N/A
SJ230 ADMACS / ISIS FY 2000	4	2,133	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	12/99	01/01	Yes	N/A
SJ230 ADMACS / ISIS FY 2001	3	2,177	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	12/00	01/01	Yes	N/A
SJ240 IFLOLS - CV(N) FY 1999	5	1,422	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	05/99	09/00	Yes	N/A
SJ240 IFLOLS - CV(N) FY 2000	5	1,348	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	03/00	07/01	Yes	N/A
SJ250 IFLOLS - Shore FY 2000	3	500	NAWCAD LKE	11/99	TBD	TBD	03/00	04/01	Yes	N/A
SJ250 IFLOLS - Shore FY 2001	8	500	NAWCAD LKE	Not Applicable	TBD	TBD	12/00	01/02	Yes	N/A
REMARKS		to current EMI	O contract as the systems integrator				ļ			<u></u>

^{***} NAWCAD LKE will act as the systems integrator.

P-1 SHOPPING LIST ITEM NO. 129 PAGE NO. 5 CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIDU	JAL M	ODIFIC	ATION																			
MODELS OF SYSTEM AFFECTED:	VARIOUS	S					TYPE	MODIF	CATIO	ON:	VARIO	ous					MOE	DIFICATION	ON T	ITLE:	LAUN	ICHER S/C	- VAR	ous
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Launcher Service C	Changes t	hat do no	t exce	ed \$5 n	nillion ii	n either	budge	t year o	\$10	million ir	all ye	ars.												
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTON	NES:		NOT /	APPLIC/	ABLE																	
	FY 1997	& Prior			FY	1998	FY	1999	FΥ	/ 2000	FY	2001	FΥ	2002	FY	2003	F١	2004	F١	Y 2005		<u>TC</u>		TOTAL
	QTY	\$	QTY	\$	QTY		QTY			\$	QTY			\$	QTY					′ \$	QTY	<u></u> \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																								
INSTALLATION KITS	287	19.897			21	1.273	17	0.759	23	0.228	15	0.981	3	0.095	3	0.423	4	1.748	5	2.939		CONTINUING	3	CONTINUING
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		33.268				0.474		0.108		0.096		0.106		0.152		0.112		0.074		0.326		CONTINUING	3	CONTINUING
OTHER - ILS		10.890				0.177		0.113		0.108		0.103		0.054		0.086		0.062		0.101		CONTINUING	3	CONTINUING
OTHER - ATE		0.779				0.188		0.174		0.155												CONTINUING	3	CONTINUING
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		38.955				5.758		3.478		1.199		2.317		1.996		2.707		1.162		0.871		CONTINUING	3	CONTINUING
TOTAL PROCUREMENT	287	103.789				7.870		4.632		1.786		3.507		2.297		3.328		3.046		4.237		CONTINUING	3	CONTINUING
,						•		•		ITEM	129	P	AGE	6						CLASS	IFICAT	ION: UNCI		

CLASSIFICATION: UNCLASS	IFIED																					
P3A (Continued)						INDIVIDU	JAL MO	DIFICATION	ON (Co	ntinued)												
l																						
MODELS OF SYSTEMS AFFE	CTED:	: VAR	IOUS					_ MC	DIFICA	ATION TI	ILE:	LAUN	CHER	R S/C - \	/ARI	ous					=	
INSTALLATION INFORMATIO	N·																					
METHOD OF IMPLEMENTATION		VARIOUS																				
ADMINISTRATIVE LEADTIME	:	N/A					-	PRODU	CTION	LEADTII	ME:		N/A									
CONTRACT DATES:	FY 1	999:	V	'ARIOUS	_			FY 2000):	VARIC	US			FY	200	1: V	'ARIO	US				
DELIVERY DATE:	FY 1	999:	V	'ARIOUS				FY 2000):	VARIC	US			FY	200	1: V	'ARIO	US				
		,			-			1000		(\$ in Milli		0004				1,0000					I T 0 1.	-
Cost:		ior Years				Y 1998		1999		2000		2001		2002		Y 2003		2004		Y 2005	To Complete	Total
INSTALLATION SUPPORT	Qty	\$			Qty	\$	Qty	\$ 4.246	Qty	\$ 0.952	Qty	\$ 1.266	Qty	\$ 0.851	Qty		Qty	\$ 0.775	Qty	\$ 0.502	Qty \$ CONTINUING	Qty \$ CONTINUING
PRIOR YEARS		38.783			-	0.824 1.983		1.246 0.156		0.952		1.266		0.851		1.089		0.775		0.502	CONTINUING	CONTINUING
FY 1997 EQUIPMENT		30.703				2.231		1.073		0.036		0.120				0.120					CONTINUING	CONTINUING
FY 1998 EQUIPMENT					1	0.720		0.897		0.061		0.342		0.284		0.120					CONTINUING	CONTINUING
FY 1999 EQUIPMENT						0.7.20		0.106		0.024		0.364		0.462		0.515					CONTINUING	CONTINUING
FY 2000 EQUIPMENT												0.225		0.399		0.385					CONTINUING	CONTINUING
FY 2001 EQUIPMENT																					CONTINUING	CONTINUING
FY 2002 EQUIPMENT																0.598					CONTINUING	CONTINUING
FY 2003 EQUIPMENT																		0.387			CONTINUING	CONTINUING
FY 2004 EQUIPMENT																				0.349	CONTINUING	CONTINUING
FY 2005 EQUIPMENT																					CONTINUING	CONTINUING
TO COMPLETE					-															0.020	CONTINUING	CONTINUING
INSTALL COST		38.955				5.758		3.478		1.199		2.317		1.996		2.707		1.162		0.871	CONTINUING	*CONTINUING
INSTALLATION SCHEDULE	Ξ.																					
FY 1998	ī —	FY 1999		EV	2000		FY 20	201	1 —	FY 2002		FV	2003		ΕV	2004	1	FY 2005		TC		
& Prior	1	2 3	4		3	4 1	2	3	1 1	2 3	4	1 2		4 1		3 4	1	2 3	4	10	TOTAL	
In *	1		· —	<u> </u>		ŤĖ		· <u> </u>	l	- <u>-</u> -		⊢ -		· it		· <u> </u>	1 -	<u> </u>				
Out *																						
																	. —					
* Various																						
The equip	ment a	and installation	on cost	ts represer	ited or	this P-3a	a are for i	individual	modific	ation prog	rams	that do r	not ex	ceed \$5	millic	on in eithei	r budg	et year or	\$10 m			
										100	DAG	\						<u> </u>		P-3		
									ITEM	129	PAG	j <u>L</u>	7					CLA	ASSIF	ICATION:	UNCLASSIFIED	

CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION MODELS OF SYSTEM AFFECTED: C13-2 CATAPULT TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH- IMPROVED PISTON DESCRIPTION/JUSTIFICATION: Launcher Service Change 633 replaces existing C13-2 catapult pistons with an improved design and titanium material which extends service life and decreases maintenance man-hours. This is a Type Commander funded installation. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III - March 1998 FY 1997 & Prior FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 TOTAL QTY QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY QTY \$ QTY \$ QTY QTY QTY \$ FINANCIAL PLAN (IN MILLIONS) RDT&E PROCUREMENT INSTALLATION KITS (UNIT COST) 0.398 0.398 0.398 0.398 0.398 0.398 0.398 INSTALLATION KITS 3.582 0.398 3 1.194 6 2.388 1.990 1.194 27 10.746 INSTALLATION KITS NONRECURRING **EQUIPMENT** EQUIPMENT NONRECURRING ENGINEERING CHANGE ORDERS DATA TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER - PE 0.164 0.086 0.063 0.062 0.061 0.009 0.445 OTHER - ILS 0.097 0.012 0.064 0.015 0.188 OTHER - ATE INTERIM CONTRACTOR SUPPORT INSTALL COST - Non-FMP 8 5 27 TOTAL PROCUREMENT 0.261 9 3.732 1 0.473 3 1.271 6 2.449 5 1.999 3 1.194 27 11.379

ITEM 129

PAGE

P3A (Continued)						INDI	VIDU	AL M	ODIFICA	TION (Continu	ed)														
MODELS OF SYSTEMS AFF	ECTE	D: <u>C13</u>	-2 CA	TAPUL	т				МС	DIFIC	ATION T	ΓITLE:	LA	UNCH	- IMPF	ROVED	PISTO	N					_			
INSTALLATION INFORMATION	ON:																									
METHOD OF IMPLEMENTAT	ION:	Attrition						_																		
ADMINISTRATIVE LEADTIM	Ε:	3	Mor	nths					PRODU	CTION	N LEADT	IME:		15	Mon											
CONTRACT DATES:	FY '	1999:		11/9		_			FY 2000):	1	1/99		_		F`	Y 2001	: <u></u>	11	1/00						
DELIVERY DATE:	FY '	1999:		2/0)	_			FY 2000):		2/01		_		F'	Y 2001	: <u> </u>	2	/02	_					
											(\$ in	Millior	ne)													
Cost:	Pri	or Years				FY 199	98	F	Y 1999	F	Y 2000	_	FY 20	001	F	Y 2002	l F	Y 2003	l F	Y 2004	F	Y 2005	To C	omplete	-	Γotal
000	Qty				Qtv	_	\$	Qty	\$	Qty	\$	Qty		\$	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT							T					1		<u> </u>				Ť		*		*				*
PRIOR YEARS																										
FY 1997 EQUIPMENT																										
FY 1998 EQUIPMENT										4	*	5		*											9	*
FY 1999 EQUIPMENT												1		*											1	*
FY 2000 EQUIPMENT												1		*	2	*									3	*
FY 2001 EQUIPMENT															6	*									6	*
FY 2002 EQUIPMENT																	5	*							5	*
FY 2003 EQUIPMENT																			3	*					3	*
FY 2004 EQUIPMENT																										
FY 2005 EQUIPMENT																										
TO COMPLETE																										
INSTALL COST - Non-FMP										4	*	7		*	8	*	5	*	3	*					27	*
INSTALLATION SCHEDUL																										
FY 1998		FY 1999			FY 2000			_	<u> 2001</u>		FY 200				2003			2004		FY 2005		TC				
& Prior	1	2 3	4	1	2 3		1	2	3 4	1	2 3		1	2	3	4 ′	1 2	3 4	1	2 3	4			TAL		
ln					1 2		2	2	2 2		2 2					2	2 1							27		
Out	J 🖳			<u> </u>	2	2	1	2	2 2	2	2 2	2 2	2	2	1			2 1	J L			JLLI	2	27		
1			.	_																						
* This is an Organizational	level i	nstallation -	Ship'	s Force	e item w	th no a	assoc	ated I	-MP / NF	MP ins	stallation	costs.														
																						5				
																						P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVI	DUAL I	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1 <i>i</i>	AND C1	13-2 CAT	APUL	TS	_TYPE	MODIF	FICAT	ION:	RELL	ABILITY	/ MAI	NTAINA	BILIT	<u> </u>	MOD	IFICATI	ON T	ITLE:	LAUN	NCH - CRES	WATER B	RAKE
DESCRIPTION/JUSTIFICATION:																								
This Launcher Service Change replaces	the existi	ng steel	water	brake o	cylind	ers with	a Cor	rosion F	Resist	ant Ste	el (CR	RES) m	ateria	l which	will ex	tend ca	tapult	cylinde	r life a	and redu	ıce m	aintenance i	man-hours	
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT	MII EST	ONES:					MS III -	Noven	nber 200	12													
DEVELOR MENT OTATOONNOON DEVEL	OI WILITI	WILLOT	JINLO.				•	IVIO III	TTOVCII	IIDCI ZOC	<i>,</i>	-												
	FY 1997	& Prior			F١	1998	FY	1999	FΥ	2000	FY	2001	FΥ	2002	FY	2003	FY	2004	F١	2005		<u>TC</u>	TO	TAL
	QTY	\$	QTY	\$		* \$	QTY		QTY			\$		\$	QTY		QTY				QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT					1																			
INSTALLATION KITS (UNIT COST)					1											0.122		0.128		0.132		0.135		0.129
INSTALLATION KITS															24	2.928	32	4.096	16	2.112	32	4.320	104	13.456
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE														0.077		0.063		0.030		0.060		0.050		0.280
OTHER - ILS														0.041		0.014								0.055
OTHER - ATE																0.065								0.065
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																	24	0.008	32	0.008	48	0.010	104	0.026
TOTAL PROCUREMENT														0.118	24	3.070	32	4.134	12	2.180	42	4.380	104	13.882
										ITEM	129	F	AGE	10							CLAS	SSIFICATION	1: UNCLAS	SIFIED

CLASSIFICATION: UNCLASS	SIFIED)																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION (Continue	d)													
MODELS OF SYSTEMS AFFE	CTED): <u>C7,</u>	C13-0), C13-1 A	ND C1	3-2 CAT.	APUL1	rs MC	DIFIC	ATION TI	ITLE:	LAUNC	H - CR	RES WAT	ER BR	AKE					_			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	VRT																						
ADMINISTRATIVE LEADTIME	∃ :	6	Mor	nths			_	PRODU	CTION	I LEADTI	ME:	14	4 Mor	nths										
CONTRACT DATES:	FY 1	999:		N/A	_			FY 2000	:	N/A	Ą			FY	²⁰⁰¹		N/A	ı						
DELIVERY DATE:	FY 1	999:		N/A				FY 2000	:	N/A	4			FY	2001:		N/A		-					
										(\$ in N	Millions	2)												
Cost:	Dric	or Years			F	Y 1998	l F	Y 1999	E\	/ 2000		Y 2001	TF	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete	-	Total
Cost.	Qty	\$			Qtv	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty		Qty	\$
INSTALLATION SUPPORT	Qty	Ψ			Qty	Ψ	Qty	Ψ	Qty	Ψ	Gty	Ψ	Qty	Ψ	Qty	Ψ	Qty	0.008	Qty	0.008	Qty	0.010	Qty	0.026
PRIOR YEARS					+ +						1							0.000		0.000		0.010		0.020
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT													1											
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																	24	*					24	*
FY 2003 EQUIPMENT																			32	*			32	*
FY 2004 EQUIPMENT																					48	*	48	*
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP																	24	* 0.008	32	* 0.008	48	* 0.010	104	0.026
INSTALLATION SCHEDUL																				1				
FY 1998		FY 1999			2000			2001		FY 2002			2003			2004	Ш.	FY 2005		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO			
ln -															24		16	16		48		04		
Out	<u> </u>								J						8	8 8	8	8	16	48	1	04		
* Type Commander funded in	nstallat	ions																						
. Jpo Commandor rundou n	Junu																							
																				P-3	BA			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL N	/IODIFIC	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	CVN 68	CLASS C	CATAF	PULTS		_	TYPE	MODIF	ICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILITY		MOD	IFICAT	ION TI	TLE:	LAUN	ICH - TRO	UGH COVE	RS
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 408 replaces	s the two piece steel trough covers used on CVN 68 Class with a Corrosion Resistant Steel (CRES) one piece trough cover with ferrallium clad channels.															ls.								
	тег Бегутсе Спатуе 406 гертасев тпе two piece steer trough covers used on CVN 68 Class with a Corrosion Resistant Steer (CRES) one piece trough cover with ferrallium clad channels.																							
DEVELOPMENT STATUS/MAJOR DEVELO	LOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE																							
	FY 1997					′ 1 <u>998</u>		1999		<u> 2000</u>		2001		<u>/ 2002</u>		2003		2004		2005		<u>TC</u>	<u>TO</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		2.700				3.767				3.685														2.890
INSTALLATION KITS	13	35.100			1	3.767			2	7.370													16	46.237
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.200				0.049		0.024		0.012		0.002												0.287
OTHER - ILS		0.075				0.005																		0.080
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	13	16.250					1	1.172	2	2.930													16	20.352
TOTAL PROCUREMENT	13	51.625			1	3.821		1.196	2	10.312		0.002											16	66.956
										ITEM	129	P	AGE	12	2						CLAS	SIFICATION	ON: UNCLA	SSIFIED

CLASSIFICATION: UNCLAS	SIFIED	ı																						
P3A (Continued)						INDIVIE	DUAL N	ODIFICA	TION (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTED	: CVN	1 68 C	LASS CA	ATAPUL	TS		MC	DIFIC	ATION T	ITLE:	LAUNC	H - TRO	OUGH C	OVERS	3					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYAF	RD																					
ADMINISTRATIVE LEADTIME	≣:	2	Mor	nths	_			PRODU	CTION	N LEADTI	ME:	* 11	Month											
CONTRACT DATES:	FY 1			N/A				FY 2000		N/A					Y 2001:		N/A		_					
DELIVERY DATE:	FY 1	999:		N/A				FY 2000):	N/A	4			F	Y 2001:		N/A	١	_					
										(\$ in !	Million	s)												
Cost:	Pric	or Years			F۱	/ 1998	F	Y 1999	F	Y 2000		Ý 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete		Total
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.015		0.030		,												0.045
PRIOR YEARS	13	16.250																					13	16.250
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT							1	1.157															1	1.157
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT									2	2.900													2	2.900
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP	13	16.250					1	1.172	2	2.930													16	20.352
INSTALLATION SCHEDUL	F.																							
FY 1998		FY 1999		F'	Y 2000		FY	2001	1	FY 2002)	F'	Y 2003		FY	2004	1	FY 200	5	TC				
& Prior	1 1	2 3	4		2 3	4		3 4	11	2 3			2 3	4		3 4	11	2 3		<u></u>	TO	TAL		
In 13	1	<u> </u>		2		<u> </u>	<u> </u>		┪┢╧	· <u> </u>		ऻ ─ं──		· — F	<u> </u>	<u> </u>	11	- <u> </u>				6		
Out 13		1		_ 2	2																	6		
* Assets available in supply	systen	n.																						
	•																							
										100		VCE 12									-3A	I ACCIEI		

CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION MODELS OF SYSTEM AFFECTED: SUPPORTABILITY / CONFIGURATION MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR MK7 JET BLAST DEFLECTOR TYPE MODIFICATION: DESCRIPTION/JUSTIFICATION: Launcher Service Change (SHIPALT 7172) to the MK7 Jet Blast Deflector (JBD) is an improved design that is supportable, reliable, and maintainable; is standard across the ship class; and is F/A-18 Hornet compatible. FY99 installation completed on USS ABRAHAM LINCOLN (CVN 72). DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE FY 1997 & Prior FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 **TOTAL** QTY QTY \$ QTY \$ QTY \$ QTY \$ QTY QTY QTY QTY \$ QTY \$ \$ QTY \$ QTY \$ FINANCIAL PLAN (IN MILLIONS) RDT&E PROCUREMENT INSTALLATION KITS (UNIT COST) INSTALLATION KITS 9 7.569 7.569 INSTALLATION KITS NONRECURRING **EQUIPMENT** EQUIPMENT NONRECURRING **ENGINEERING CHANGE ORDERS** DATA

ITEM 129

PAGE

14

0.250

29.672

37.491

9

CLASSIFICATION: UNCLASSIFIED

TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER - PE

INSTALL COST - FMP

TOTAL PROCUREMENT

INTERIM CONTRACTOR SUPPORT

OTHER - ILS OTHER - ATE 0.250

24.639

32.458

1.117

1.117

3

3.916

3.916

6

CLASSIFICATION: UNCLASS	IFIED																							
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ION (Continued	i)													
MODELS OF SYSTEMS AFFE	CTED	MK7	JET	BLAST DI	EFLEC	TOR (JBE	D)	_ MO	DIFIC	ATION TI	TLE:	LAUNC	H - JE	T BLAST I	DEFL	ECTOR (J	BD)				_			
INSTALLATION INFORMATIC METHOD OF IMPLEMENTATI ADMINISTRATIVE LEADTIME	ON:		RD - S N/A	SHIP ALTE	RATIO	ON (SA)	-			I LEADTII		N/	A		_									
CONTRACT DATES:	FY 1			N/A		•		FY 2000		N/A					2001:		N/A		_					
DELIVERY DATE:	FY 1	999:		N/A				FY 2000		N/A	١			FY	2001:		N/A	١	_					
											Million													
Cost:		r Years			_	Y 1998		Y 1999		Y 2000		Y 2001		Y 2002		Y 2003		Y 2004		Y 2005		omplete	_	Total
	Qty	\$	ļ		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	0	0.440			*	0.045	_	0.047	-		-		-		-			1	-		+		_	0.532
PRIOR YEARS FY 1997 EQUIPMENT	6	24.199	-			1.072	3	3.869	-		-		-		+			1	+		+		9	29.140
FY 1997 EQUIPMENT					-				-				_		-			ļ			1			
FY 1998 EQUIPMENT													+		+				+		+			
FY 2000 EQUIPMENT					-		-		-		-		+		+		-		+		+			
FY 2001 EQUIPMENT							-								1			1	1		1			
FY 2002 EQUIPMENT							<u> </u>				1		+		+		-		+		+			
FY 2003 EQUIPMENT															1						1			
FY 2004 EQUIPMENT													+		1						+			
FY 2005 EQUIPMENT																								
TO COMPLETE															+				1		1			
INSTALL COST - FMP	6	24.639			*	1.117	3	3.916															9	29.672
INSTALLATION SCHEDUL	E:																							
FY 1998		FY 1999		FY	2000		FY	2001		FY 2002		FY	2003			2004		FY 2005	5	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TC	TAL		
In 9 Out 6		3																				9 9		
* Design	Servic	es and Ad	vance	Planing fo	or CVN	72						-												
																				p	3Δ			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL N	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	VARIOUS	8					TYPE	MODIF	ICAT	ION:	VARIO	ous				·	MOD	IFICATION	ON T	ITLE:	LAND	ING AIDS S/	C - VARIO	DUS
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Visual Landing Aids	(VLA) S	ervice C	hange	s that c	lo not	exceed	\$5 m	illion in e	either	budget	year o	r \$10 m	illion	in all yea	ars.									
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	<i>I</i> ILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1997	9 Drior			ΕV	1998		/ 1000		/ 2000	ΓV	2001		, 2002	Ε.	2002		2004	Ε.	2005		TC	7	OTAL
	QTY	\$	QTY	\$			QTY	<u>′ 1999</u> \$		<u>/ 2000</u> \$	QTY			<u>2002</u> \$		<u>2003</u> \$		<u>2004</u> \$		′ \$	QTY	<u>TC</u> \$	QTY 1	\$
FINANCIAL PLAN (IN MILLIONS)		<u> </u>			T						T	_					Ī							
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																								
INSTALLATION KITS	125	5.344			28	1.466	7	0.435	16	0.256	136	0.731	17	2.992	5	1.823	6	1.824		2.368	(CONTINUING	;	CONTINUING
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		16.821				0.407		0.199		0.019		0.141		0.238		0.146		0.109		0.162	(CONTINUING	;	CONTINUING
OTHER - ILS		5.374				0.173		0.039		0.009		0.018		0.088		0.122		0.064		0.085	(CONTINUING	;	CONTINUING
OTHER - ATE		0.500						0.020		0.015												CONTINUING	;	CONTINUING
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		6.856				1.345		2.947		1.451		2.119		2.113		2.664		2.054		1.503	(CONTINUING	;	CONTINUING
TOTAL PROCUREMENT	125	34.895				3.391		3.640		1.750		3.009		5.431		4.755		4.051		4.118	(CONTINUING	;	CONTINUING
										ITEM	129	P	AGE	16						CLASS	IFICAT	TION: UNCLA	SSIFIED	,

CLASSIFICATION: UNCLASS	SIFIED																							
P3A (Continued)						INDIV	IDUA	L MO	DIFICATION	ON (C	ontinued))												
MODELS OF SYSTEMS AFFE	CTED	: VAF	RIOUS	1					MC	DIFIC	ATION TI	TLE:	LANDIN	IG AID	S S/C - V	ARIOL	JS					_		
INSTALLATION INFORMATIO																								
METHOD OF IMPLEMENTAT		VARIOU																						
ADMINISTRATIVE LEADTIME		N/A									I LEADTII		N/A			_								
CONTRACT DATES:	FY 1			ARIOUS	_	_			FY 2000		VARIO					2001:		'ARIO		_				
DELIVERY DATE:	FY 1	999:	V	ARIOUS	S	_			FY 2000	:	VARIO	DUS			FY	2001:		'ARIO	US	_				
											(\$ in M	lillions	s)											
Cost:	Pric	r Years			F	Y 1998	3	FY	′ 1999	F,	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To Com	plete	Total
	Qty	\$			Qty	\$		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$
INSTALLATION SUPPORT		0.030				0.3	22		1.040		0.521		0.894		1.595		1.252		0.884		0.561	CON	TINUING	CONTINUING
PRIOR YEARS	122	6.826			38	0.7	62	3	0.123	12	0.095					1	0.009					CON	TINUING	CONTINUING
FY 1997 EQUIPMENT					12	0.2	61	5	0.950													CON	TINUING	CONTINUING
FY 1998 EQUIPMENT								9	0.684	6	0.722	8	0.900	1	0.100							CON	TINUING	CONTINUING
FY 1999 EQUIPMENT								3	0.150	1	0.050											CON	TINUING	CONTINUING
FY 2000 EQUIPMENT										2	0.063	5	0.025	3	0.375							CON	TINUING	CONTINUING
FY 2001 EQUIPMENT												6	0.300	2	0.043	12	0.680					CON	TINUING	CONTINUING
FY 2002 EQUIPMENT																25	0.723	6	0.690	12	0.618	CON	TINUING	CONTINUING
FY 2003 EQUIPMENT																		11	0.480	27	0.384	CON	TINUING	CONTINUING
FY 2004 EQUIPMENT																						CON	TINUING	CONTINUING
FY 2005 EQUIPMENT																						CON	TINUING	CONTINUING
TO COMPLETE																						CON	TINUING	CONTINUING
INSTALL COST	*	6.856			*	1.3	45	*	2.947	*	1.451	*	2.119	*	2.113	*	2.664	*	2.054	*	1.503	CON	TINUING	*CONTINUING
INOTALL ATION COLIEDUI	_																							
INSTALLATION SCHEDUL		E)/ 4000			-) / 0000			E) (0	201	1	E) / 0000						2004	1	E)/ 0005		TO	_		
FY 1998	Ш.	FY 1999			FY 2000			FY 2		Ш.	FY 2002 2 3			2003 3		FY:	2 <u>004</u> 3 4	Ш.	FY 2005 2 3		<u>TC</u>	тот.		
& Prior	1	2 3	4	1	2 3	4	1	2	3	1	2 3	4	1 2	3	4 1		3 4	1 1	2 3	4_	-	TOT	AL.	
ln																								
Out	l			l L						J 📖			J L					J 📖						
* Various The equi	nment	and installs	ation c	nete ren	resenter	l on this	e P.3	a are f	or individu	al mod	lification n	roara	ms that do	not ex	vceed \$5 n	nillion i	in either hi	ıdaet v	ear or \$10) millio	on in all ve	are		
vanous The equi	Pilloll	ana motalio	A.1011 U	ooto repi		. On un	0.0	a arc r	o, iriaividu	ai 11100	anoduon p	Jugia	ino triat do	1101 67			iii oiliioi bl	augut j	roai oi wit	, ,,,,,,,,	P-3			
									l'	ГЕМ	129	P/	AGE 17						CLA	ASSIF	CATION		SSIFIED)

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIE	DUAL N	ODIFIC	OITAC	N																		
MODELS OF SYSTEM AFFECTED:	ACS AS	GSI					TYPE	MODIF	ICATIO	ON:	ENVI	RONME	NTAL	-		_	MOD	IFICATI	ON TI	TLE:	VLA -	- ASGSI		
DESCRIPTION/JUSTIFICATION:																								
Provide environmentally friendly Advance	d Stabiliza	od Glida	Slone	Indicato	or(ASC	201) eve	tom																	
1 Tovide environmentally mendly Advance	u Glabilize	su Ollue	Olope	maicaic	л(ЛОС	oi) sys	item.																	
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:											_										
	FY 1997	' & Prior			FY	1998	FY	1999	F۱	Y 2000	FY	2001	F'	Y 2002	FY	2003	FY	2004	FY	2005		<u>TC</u>	TC	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	′ \$	QTY	\$						\$			QTY		QTY	 \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.091		0.091		0.093		0.095		0.094
INSTALLATION KITS															12	1.092	25	2.275	25	2.325	163	15.485	225	21.177
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE														0.306		0.638		0.364		0.211		0.485		2.004
OTHER - ILS														0.134		0.462		0.100		0.062		0.192		0.950
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.150	12	2.025	25	2.725	188	20.310	225	25.210
TOTAL PROCUREMENT														0.440	12	2.342	25	4.764	25	5.323	163	36.472	225	49.341

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CLASSIFICATION: UNCLAS	SIFIED)																						
P3A (Continued)						INDIVID	UAL MOI	DIFICATION	ON (Co	ntinued)														
MODELS OF SYSTEMS AFFI	ECTED	: <u>OAC</u> 6	5141\$ G	\$8, C13-1				M	ODIFIC	ATION T	ITLE:	VLA - A	SGSI								_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT																								
ADMINISTRATIVE LEAD TIM			Mon		_					N LEAD T		1;	3 Moi					.						
CONTRACT DATES:	FY 1			N/A		•		FY 2000			N/A				2001:			I/A	_					
DELIVERY DATE:	FY 1	999:		N/A		•		FY 2000	0:		N/A			FY	2001:		N	I/A	-					
											Million													
Cost:		ior Years			F	Y 1998		′ 1999		Y 2000		Y 2001	_	Y 2002		Y 2003		Y 2004		Y 2005	To Co	mplete		Total
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																0.150		0.885		0.350		2.450		3.835
PRIOR YEARS																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																	12	1.140					12	1.140
FY 2004 EQUIPMENT																			25	2.375			25	2.375
FY 2005 EQUIPMENT																					25	2.375	25	2.375
TO COMPLETE																					163	15.485	163	15.485
INSTALL COST - Non-FMP																0.150	12	2.025	25	2.725	188	20.310	225	25.210
INIOTALL ATION COLIEDUI	_																							
INSTALLATION SCHEDUL FY 1998		EV 4000		- FV	2000		EV 0	004		EV 200	<u> </u>		/ 2002		EV.	2004	1	EV 200E	1	TC				
& Prior	1 1	FY 1999 2 3	4		2000	4 1	<u>FY 2</u>	3 4	$ _{1}$	FY 2002 2 3			<u>/ 2003</u>	4 1	2	2004 3 4	11 4	FY 2005 2 3		TC	TO	TAL		
	ا ⊢			 		4		3 4	┧┝┷		_ 4		<u> </u>		_	3 4	┧┝ᆣ		- 4	188		25		
In Out															12 2	2 4	11 ,	25 9 8	8	188		25 25		
	J └──			J I					┚└ ─			l L				2 4	4	9 0	0	100		25		
																				P-1	ЗΔ			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL N	ODIFIC	OITA	N																		
MODELS OF SYSTEM AFFECTED:	VARIOUS	S					TYP	E MODIF	ICAT	ION:	VARI	ous					MOE	IFICATI	ON T	ITLE:	RECC	VERY S/C \	/ARIO	US
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Recovery Service	Changes	that do r	not exc	ceed \$5	millic	on in eit	her b	udget ye	ear or	\$10 mill	lion in	all years	s.											
	Ü							0 ,				•												
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE															
														•										
	FY 1997					1998		<u>/ 1999</u>		<u>/ 2000</u>		2001		2002		2003		2004		2005		<u>TC</u>		TOTAL
ENLANGUA BI AN (NAMI LIGATO)	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)											<u> </u>										└ ──'			
RDT&E																								
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)																								
INSTALLATION KITS	356	3.632			234	1.985	227	1.174	64	0.287	137	1.871	20	0.580	57	1.378	33	0.493	4	0.066	(CONTINUIN	Ğ	CONTINUIN
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																							1	
ENGINEERING CHANGE ORDERS																								
DATA																							1	
TRAINING EQUIPMENT																							1	
SUPPORT EQUIPMENT																							1	
OTHER - PE		8.087				0.912		0.807		0.116		0.169		0.107		0.229		0.083		0.214	(CONTINUIN	G	CONTINUIN
OTHER - ILS		13.368				0.290		0.162		0.024		0.105		0.167		0.175		0.074		0.185	(CONTINUIN	G	CONTINUIN
OTHER - ATE		0.500				0.038		0.150		0.110										0.050	(CONTINUIN	G	CONTINUIN
INTERIM CONTRACTOR SUPPORT																					,	_		
INSTALL COST - Non-FMP		22.391				2.769		3.662		1.282		3.189		2.735		2.587		2.519		1.639	(CONTINUIN	Ġ	CONTINUIN
TOTAL PROCUREMENT	356	47.978			234	5.994	227	5.955	64	1.819	137	5.334	20	3.589	57	4.369	33	3.169		2.154	(CONTINUIN	G	CONTINUIN
				•						ITEM			AGE	20	•		•		•			ION: UNCL		

The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million in all years.

CLASSIFICATION: UNCLASS	SIFIED																					
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ION (C	ontinued)											
MODELS OF SYSTEMS AFFE	ECTED	: VAF	RIOU	S				_ MC	DIFIC	ATION TI	TLE:	RECOVI	ERY S	C VARIO	JS						-	
INSTALLATION INFORMATION	ON:																					
METHOD OF IMPLEMENTAT		VARIOU					_															
ADMINISTRATIVE LEADTIME	≣:	N/A			_			PRODU	CTION	LEADTIN	ΛE:	N/A	١									
CONTRACT DATES:	FY 1	999:	V	'ARIOUS	_			FY 2000	:	VARIC	US			FY	2001:	V	ARIO	US	_			
DELIVERY DATE:	FY 1	999:	V	'ARIOUS				FY 2000	:	VARIC	US			FY	2001:	V	ARIO	US	-			
										(\$ in	Million	ıs)										
Cost:	Pric	or Years			F)	′ 1998	F	Y 1999	l F	Y 2000		Y 2001	F`	Y 2002	F	Y 2003	F`	Y 2004	F	Y 2005	To Complete	Total
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$	Qty \$
INSTALLATION SUPPORT						0.569	<u> </u>	1.369		0.632		1.593		0.990		1.361		0.913		0.359	CONTINUING	CONTINUING
PRIOR YEARS	60	22.188			31	1.036	19	0.663													CONTINUING	CONTINUING
FY 1997 EQUIPMENT					250	0.772	20	0.647	6	0.115	10	0.147									CONTINUING	CONTINUING
FY 1998 EQUIPMENT					4	0.392	164	0.983	36	0.229											CONTINUING	CONTINUING
FY 1999 EQUIPMENT									203	0.306	101	0.413	34	0.040	17	0.120					CONTINUING	CONTINUING
FY 2000 EQUIPMENT											101	1.036	13	0.314							CONTINUING	CONTINUING
FY 2001 EQUIPMENT													13	1.010	16	0.856					CONTINUING	CONTINUING
FY 2002 EQUIPMENT													38	0.381			1	0.335			CONTINUING	CONTINUING
FY 2003 EQUIPMENT															20	0.250	20	0.966	30	0.834	CONTINUING	CONTINUING
FY 2004 EQUIPMENT																	39	0.305	6	0.318	CONTINUING	CONTINUING
FY 2005 EQUIPMENT																			17	0.128	CONTINUING	CONTINUING
TO COMPLETE																					CONTINUING	CONTINUING
INSTALL COST		22.391				2.769		3.662		1.282		3.189		2.735		2.587		2.519		1.639	CONTINUING	** CONTINUING
INSTALLATION SCHEDUL	E.																					
FY 1998		FY 1999			Y 2000		FY 2	2001	T .	FY 2002)	EV	′ 2003		EV	2004	1	FY 2005		TC		
& Prior	1 4	2 3	4	1 2		4 1		3	1	2 3	<u> </u>		3	4 1		3 4		2 3	. ,	10	TOTAL	
In **	1 – '								∤⊢'			 				3 4	H		-		TOTAL	
Out **																						
	J ∟			l <u>L</u>					J ∟			l L		—			l					
** Various The equi	inment	and installa	ation (costs repre	esented	on this P-3	Ra are t	for individu	ıal mod	lification n	rogram	s that do n	not exce	ed \$5 mill	ion in	either budd	net ve	ar or \$10 m	nillion	in all vears	•	
7 Tie equi	.p.110111	II IO (UII)		oosto ropic	Joinou	J	J. G. G. G.	. c. marvide	11100	p	. ogran		0,00	JOS WO IIIII			, 51 , 50	οι ψιο II		P-3		

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL N	IODIFIC	CATION																			
MODELS OF SYSTEM AFFECTED:	MK7-2, M	K7-3 and	MK7-4	ARREST	ING GE	AR	TYPE	MODIFI	CATIC	ON:	SAFE	TY					MOD	IFICATIO	N TIT	LE:	REC	- CROV/Re	etract Sys U	pgrade
DESCRIPTION/JUSTIFICATION:																								
Iwajor upgrade to the WK7 arresting gear	jor upgrade to the MK7 arresting gear Constant Run Out Valve (CROV) and retract system to restore margins of safety eroded by the gradual introduction of higher weight and speed aircraft.																							
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:				NOT A	PPLICA	ABLE															
	ELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE FY 1997 & Prior FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 TC TOTAL															ΤΔΙ								
	QTY	\$	QTY	\$		\$	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E										0.300		3.580		5.130		0.800								9.810
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.262		0.270		0.278				0.272
INSTALLATION KITS															20	5.240	16	4.320	29	8.062			65	17.622
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																0.226		0.265		0.044				0.535
OTHER - ILS																0.158		0.137		0.032				0.327
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.100	22	1.496	12	0.960	31	2.246	65	4.802
TOTAL PROCUREMENT															20	5.724	16	6.218	29	9.098		2.246	65	23.286
	•	•	•		•		•			ITEM	129	Р	AGE	22	•		•		•	•	CLAS	SSIFICATIO	N: UNCLA	SSIFIED

CLASSIFICATION: UNCLASS	SIFIED	1																									
P3A (Continued)						II	NDIVIDU	AL MOI	DIFICAT	ION (C	Conti	inued)															
MODELS OF SYSTEMS AFFE	CTEC): <u>MK7-</u>	2, MK7	'-3 and I	MK7-4	ARRE	ESTING G	EAR	^	MODIF	ICAT	TION TI	TLE:	REC	COVER	Y - C	CROV / F	Retrac	t System l	Jpgrad	le			_			
INSTALLATION INFORMATION	ON:																										
METHOD OF IMPLEMENTAT	ION:	VRT/SHIF	PYARE)																							
ADMINISTRATIVE LEADTIME	≣:	2 M	onths						PROD	UCTIO	ON L	EADTIN	ME:		10 Mon	ths											
CONTRACT DATES:	FY 1	999:		N/A					FY 20		_	N/A						2001:		N/A							
DELIVERY DATE:	FY 1	999:		N/A					FY 20	00:	_	N/A	١				FY 2	2001:		N/A		-					
											((\$ in Milli	ions)														
Cost:	Pr	ior Years				FY	′ 1998	F١	′ 1999		FY 2	2000	F	Y 2001		FY 2	2002	F	Y 2003	F'	Y 2004	F	Y 2005	To C	omplete		Total
	Qty	\$			(Qty	\$	Qty	\$	Qt	ty	\$	Qty	\$	Qt	y	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																					0.200		0.200		0.200		0.600
PRIOR YEARS																											
FY 1997 EQUIPMENT																											
FY 1998 EQUIPMENT																											
FY 1999 EQUIPMENT																											
FY 2000 EQUIPMENT																											
FY 2001 EQUIPMENT																											
FY 2002 EQUIPMENT																											
FY 2003 EQUIPMENT																		*	0.100	20	1.166					20	1.266
FY 2004 EQUIPMENT																				2	0.130	12	0.760	2	0.132	16	1.022
FY 2005 EQUIPMENT																								25	1.650	25	1.650
TO COMPLETE																								4	0.264	4	0.264
INSTALL COST - Non-FMP																		*	0.100	22	1.496	12	0.960	31	2.246	65	4.802
INSTALLATION SCHEDUL																							. —	_			
FY 1998		FY 1999			FY 20			FY 2				Y 2002			FY 200				2004		FY 2005		TC				
& Prior	1	2 3	4	1	2	3	4 1	2	3	4 ′	1	2 3	4	1	2 3	3 4	4 1	2	3 4		2 3	4			TAL		
In																	22			12			31		65		
Out] [ᆜᆫ								6	6 10]	5 5	2	31	(65		
* Advanced installation su	pport																										
																							_				
																							P-3	3A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL	MODIFIC	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	NEW SY	YSTEM -	CV(N)		_	TYP	E MODIF	FICAT	ION:	IMPR	OVED C	CAPAI	BILITIES	_		MOD	IFICATI	ON TI	ITLE:	ADM	ACS / ISI	S - CV(N)	
DESCRIPTION/JUSTIFICATION:																								
The Aviation Data Management and Coconnectivity among all Air Operations a funded and scheduled in FY01 include	nd Aircra	ft Launc	h and	l Recove	ery Ed	quipmer	nt (AL	.RE) wo	rk sp	aces abo	oard C	V(N)s.	Ship	Alterati	on nur	mbers	3623	for CVs	and					ons
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:	:					MS I	III - Augu:	st 1999	9	_											
	<u>FY 1997</u> QTY	& Prior \$	QTY	′\$	<u>FY</u> QTY	<u>/ 1998</u> * \$	<u>F\</u> QTY	<u>Y 1999</u> ' \$	E <u>Y</u> QTY	<u>Y 2000</u> ′\$	<u>FY</u> QTY	2001 \$	<u>F`</u> QTY	<u>/ 2002</u> \$	<u>FY</u> QTY	<u>2003</u> \$	<u>FY</u> QTY	<u>2004</u>	<u>FY</u> QTY	200 <u>5</u>	QTY	<u>TC</u> \$	<u>T(</u> QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E				2.951		6.700		3.893		0.400														13.944
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								2.100		2.133		2.177		2.206										2.152
INSTALLATION KITS							1	2.100	4	8.532	3	6.530	1	2.206									9	19.368
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								3.682		0.599		0.278		0.121										4.680
OTHER - ILS						0.302		1.081		0.335		0.205		0.102		0.050								2.075
OTHER - ATE								0.035		0.035														0.070

1.742 3 5.350 5 7.210 1 1.564

PAGE

1.614

7.277 4 11.243 3 12.363 1 9.639

ITEM 129

9

CLASSIFICATION: UNCLASSIFIED

16.245

42.438

0.379

0.302 1

INTERIM CONTRACTOR SUPPORT

INSTALL COST - FMP
TOTAL PROCUREMENT

P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	ION (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>NEV</u>	V SYS	STEM - C	√(N)			_ MO	DIFIC	CATION TI	TLE:	ADMACS	S / ISI	S - CV(N)							_			
	DN:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYAI	RD/	Alterative I	nstalla	tion Team																		
ADMINISTRATIVE LEADTIME	≣:	2	Mor	nth			_	PRODU	CTIO	N LEADTII	ME:	13	Mor	nths										
CONTRACT DATES:	FY 1	999:		8/99	_			FY 2000	:	12	2/99			FY	2001:		12	2/00						
DELIVERY DATE:	FY 1	1999:		9/00		•		FY 2000	:	1	/01			FY	2001:	_	1,	/02	_					
(\$ in Millions)																								
Cost:	Prid	or Years			F	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To Co	omplete	1	Total
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT										0.662		0.490		0.325		0.214								1.691
PRIOR YEARS																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT							*	0.239	*	0.135	1	1.350											* 1	1.724
FY 2000 EQUIPMENT							*	0.140	*	0.540	* 2	2.970	2	2.700									* 4	6.350
FY 2001 EQUIPMENT									*	0.405	*	0.405	3	4.050									* 3	4.860
FY 2002 EQUIPMENT											*	0.135	*	0.135	1	1.350							* 1	1.620
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP							*	0.379	*	1.742	* 3	5.350	* 5	7.210	1	1.564							* 9	16.245
INSTALLATION SCHEDUL	E:																							
FY 1998		FY 1999		FY	2000		FY	2001		FY 2002		FY	2003		FY	2004		FY 2005		<u>TC</u>				
& Prior	1	2 3		0 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	ΓAL		
In							1	1 1	1	1 1	2	1									(9		
Out							1	1 1	1	1 1	2	1] [ę	9		
* Installation funding based (upon F	Y of start o	f avai	lability vice	e hardv	vare delive	erv. inc	ludes Des	ian Se	ervices and	d Adva	ance Planni	ina.											
				,			,,						9.											
																				P-	3A			

CLASSIFICATION:	UNCL ASSIFIED	

MODELS OF SYSTEM AFFECTED:	MK 13 MOD 0 (CV(N))	TYPE MODIFICATION:	ENHANCEMENT	MODIFICATION TITLE:	IFLOLS - CV(N)

INDIVIDUAL MODIFICATION

DESCRIPTION/JUSTIFICATION:

P3A

The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing aircraft carrier Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide scope display sensitivity with improved optics and stabilization. Ship Alteration numbers 8634 for CVs and 8635 for CVNs apply. The funded installation in FY00 is for USS JOHN C. STENNIS (CVN 74) for their FY01 availability. FY01 funded insatllations are scheduled for USS KITTY HAWK (CV 63), USS NIMITZ (CVN 68), USS ABRAHAM LINCOLN (CVN 72), USS GEORGE WASHINGTON (CVN 73), and USS HARRY S. TRUMAN (CVN 75).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS III - March 2000

					1998	_	/ 199 <u>9</u>	_	<u> 2000</u>	_	2001	_	<u>/ 2002</u>		2003		2004		2005		<u>TC</u>		TAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		5.005				0.915		0.685																6.605
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)								1.422		1.348														1.385
INSTALLATION KITS							5	7.109	5	6.740													10	13.849
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						1.156		0.425		0.380		0.199												2.160
OTHER - ILS		0.040				0.257		0.545		0.114		0.089		0.059										1.104
OTHER - ATE								0.035		0.037		0.005												0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP				,		0.111		0.353	1	0.911	5	3.804	3	2.153	1	0.704		,				•	10	8.036
TOTAL PROCUREMENT		0.040		,		1.524	5	8.467	5	8.182		4.097		2.212		0.704		,				•	10	25.226

ITEM 129 PAGE 26 CLASSIFICATION: UNCLASSIFIED

P3A (Continued)						INDIVID	UAL M	ODIFICAT	ΓΙΟΝ (Continue	d)													
MODELS OF SYSTEMS AFF	ECTE): <u>MK</u>	13 M	OD 0 (CV((N))			_ MC	DIFIC	ATION TI	TLE:	IFLOLS -	- CV(N	I)							_			
INSTALLATION INFORMATION	ON.																							
METHOD OF IMPLEMENTAL		SHIPYA	RD -	SHIP ALT	ERAT	ION (SA)																		
ADMINISTRATIVE LEADTIM			Moi			()	_	PRODU	CTION	N LEADTII	ME:	16	6 Mon	ths										
CONTRACT DATES:		999:		5/9	9			FY 2000			12/9				2001:		N/A							
DELIVERY DATE:	FY 1	999:		9/0				FY 2000	:		4/01	<u> </u>		FY	2001:		N/A		_					
						•				-									_					
										(\$ in N	/lillion	s)												
Cost:		or Years			_	Y 1998		Y 1999		Y 2000		Y 2001	_	Y 2002		Y 2003		Y 2004	_	Y 2005		omplete		Γotal
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT										0.030		0.030		0.030		0.030								0.120
PRIOR YEARS																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT					*	0.111	*	0.353	*1	0.677	4	2.696											* 5	3.837
FY 2000 EQUIPMENT									*	0.204	* 1	1.078	* 3	2.123	1	0.674							* 5	4.079
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP					*	0.111	*	0.353	*1	0.911	* 5	3.804	* 3	2.153	* 1	0.704							* 10	8.036
INSTALLATION SCHEDUI	_E:																							
FY 1998	3	FY 1999		<u>FY</u>	2000		FY	2001		FY 2002	-	<u>FY</u>	2003		FY	2004		FY 2005	5	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
In						1	1	2 2		2 1		1									1	10		
Out						1	1	2 2		1 1	1		1								1	10		
 * Installation funding base 	ed upor	n FY of sta	rt of a	availability v	vice ha	ırdware d	elivery,	includes D	Design	Services	and A	dvance Pla	anning.											
																				P-	3A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL N	MODIFI	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	MK 14 M	IOD O (S	HORE	Ξ)		-	TYPE	E MODIF	ICAT	ION:	ENHA	ANCEME	NT		_		MOD	FICATION	ON T	ITLE:	IFLOL	S - Shore	based	
DESCRIPTION/JUSTIFICATION:																								
The Improved Fresnel Lens Optical Lan scope display sensitivity with improved of																				that w	ill provi	de incre	ased glide	
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT N	MILESTO	NES:				-	MS	S III - N	/larch 200	00	-												
	<u>FY 1997</u> QTY	& Prior \$	QTY	\$		<u>1998</u> \$		<u>′ 1999</u> \$	<u>FY</u> QTY	<u>/ 2000</u> \$		2001 \$		<u>2002</u>		2003 \$	<u>FY</u> QTY	2004 \$		2005 \$		<u>TC</u> \$	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E								0.400		1.800														2.200
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.500		0.500		0.500		0.500								0.500
INSTALLATION KITS									3	1.500	8	4.000	6	3.000	3	1.500							20	10.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.200		0.407		0.221		0.088		0.045								0.961
OTHER - ILS		0.040				0.106		0.098		0.114		0.103		0.086		0.067								0.614
OTHER - ATE												0.040		0.037										0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											3	0.300	5	0.500	5	0.500	5	0.500	2	0.200			20	2.000
TOTAL PROCUREMENT		0.040				0.106		0.298	3	2.021	8	4.664	6	3.711	3	2.112		0.500		0.200			20	13.652
<u> </u>	•				•					ITEM	129	P	AGE	28						•	CLAS	SIFICATI	ON: UNCLA	SSIFIED

P3A (Continued)				IND	IVIDU	AL MOD	IFICATI	ION (Co	ontinued)														
MODELS OF SYSTEMS AFF	ECTED:	MK 14 MC	D O (SHO	RE)			MC	DIFICA	TIT NOITA	ΓLE:	IFLOLS -	Shore	ebased							_			
INSTALLATION INFORMATI	ON:																						
METHOD OF IMPLEMENTA	TION:	ALTERATION	INSTALLA	TION TEA	M (AII	-)																	
ADMINISTRATIVE LEADTIM	E:	2 Mor					RODU	CTION	LEADTIM	1E:	13	3 Mor	nths										
CONTRACT DATES:	FY 1	1999:	N/A	_			Y 2000			3/00			FY	2001:		12/	/00						
DELIVERY DATE:	FY 1	1999:	N/A			F	Y 2000	:		1/01			FY	2001:		1/		_					
									(\$ in l	Million	s)												
Cost:	Pri	ior Years		FY 19	998	FY	1999	F١	Y 2000		Y 2001	F	Y 2002	F	Y 2003	F١	Y 2004	F	Y 2005	To C	omplete	-	Total
	Qty	\$		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																							1
PRIOR YEARS																							
FY 1997 EQUIPMENT																							
FY 1998 EQUIPMENT																							1
FY 1999 EQUIPMENT																							
FY 2000 EQUIPMENT										*3	0.300											3	0.300
FY 2001 EQUIPMENT												5	0.500	3	0.300							8	0.800
FY 2002 EQUIPMENT														2	0.200	4	0.400					6	0.600
FY 2003 EQUIPMENT																1	0.100	2	0.200			3	0.300
FY 2004 EQUIPMENT																							
FY 2005 EQUIPMENT																							
TO COMPLETE																							
INSTALL COST - Non-FMP										3	0.300	5	0.500	5	0.500	5	0.500	2	0.200			20	2.000
INSTALLATION SCHEDU		= 1,1000				= 1.00			= 1,000		1 = -					1	=:/						
FY 199		FY 1999		2000		FY 20			FY 2002	-		2003			2004		FY 2005		TC				
& Pric	or 1	_ 2 3 4	1 2	3 4	1		3 4		2 3		1 2		4 1	_ 2	3 4	1	2 3	4	1	_	TAL		
ln -							1 2		2 2		2 2	2	1 1		1						20		
Out							1 2		1 2	2	2 1	1	1 1	2	1 1	1	1				20		
								ITEN 4	100		105	00					<u> </u>	A 0.01	P-3		1 ACOIETE	_	
								ITEM	129	Ρ/	AGE	29					CL	ASSIF	ICATION:	UNC	LASSIFIE	υ	

CLASSIFICATION:	LINCL	ASSIFIED
CLASSIFICATION:	UNCL	ASSIFIF

P3A	INDIVIDUAL MODIFICATION					
MODELS OF SYSTEM AFFECTED:	LRLS MK-15 MOD 0 - CV/N)	TYPE MODIFICATION:	NEW CADARII ITIES	MODIFICATION TITLE:	LPLS CV/N)	

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance by providing the pilot with more precise line-up information at a greater range. Ship Alteration numbers 8632 for CVs and 8633 for CVNs apply. Installation of foundation, cabling, and power supply will occur prior to hardware delivery. Installations funded and scheduled in FY00 include USS KITTY HAWK (CV 63), USS CONSTELLATION (CV 64), USS CARL VINSON (CVN 70), and USS THEODORE ROOSEVELT (CVN 71).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS III - JUNE 1999

	<u>FY 1997</u> QTY	<u>& Prior</u> \$	QTY	\$	<u>FY</u> QTY	<u>′ 1998</u> \$	<u>F)</u> QTY	<u>/ 1999</u> \$	<u>F)</u> QTY	<u>/ 2000</u> \$	<u>FY</u> QTY	<u>2001</u> \$	<u>F)</u> QTY	<u>/ 2002</u> \$	<u>FY</u> QTY	2003 \$	<u>FY</u> QTY	2004 \$	<u>FY</u> QTY	2005	QTY	<u>TC</u>	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		3.049				0.421		0.365																3.835
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.163		0.163														0.163
INSTALLATION KITS							5	0.830	5	0.800													10	1.630
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.312		0.132		0.048														0.492
OTHER - ILS						0.204		0.196		0.042		0.014												0.456
OTHER - ATE								0.035		0.035														0.070
INTERIM CONTRACTOR SUPPORT				•																				
INSTALL COST - FMP		0.070		•		0.150		0.343	4	0.923	4	0.526	1	0.138	1	0.125		,					10	2.275
TOTAL PROCUREMENT		0.070		•		0.666	5	1.536	5	1.848		0.540		0.138		0.125		,					10	4.923

ITEM 129 PAGE 30

CLASSIFICATION: UNCLASS	SIFIED	ı				INDU/IDI		00151045	1011/	0														
P3A (Continued)						INDIVIDU	AL W	ODIFICAT	ION (Continued)														
MODELS OF SYSTEMS AFFI	ECTED	: <u>LRL</u>	S MK	-15 MOE	0 - CV	′(N)		_ MO	DIFIC	ATION TITL	E:	LRLS CV	(N)								_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT					LATIO	N TEAM (A	AIT)																	
ADMINISTRATIVE LEADTIME			Mor					PRODU	CTION	I LEADTIME	:	12	2 Mor											
CONTRACT DATES:	FY 1	999:			/99	_		FY 2000:		12/9					<u>/</u> 2001		N/A		_					
DELIVERY DATE:	FY 1	999:		6	/00	_		FY 2000:		12/0	00			F١	/ 2001	: <u> </u>	N/A		_					
										(\$ in M	illions	3)												
Cost:	Pri	or Years			F	Y 1998	F	Y 1999	F	Y 2000		FY 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete	-	Total
0.0011	Qtv	\$			Qty		Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	~-,	0.070				, , , , , , , , , , , , , , , , , , ,		*		0.359		Ť		*						*				0.429
PRIOR YEARS													1											****
FY 1997 EQUIPMENT													1											
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT					**	0.150	**	0.305	* 4	0.513	1	0.125											* 5	1.093
FY 2000 EQUIPMENT							*	0.038	*	0.051	* 3	0.401	* 1	0.138	1	0.125							* 5	0.753
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP		0.070	*		*	0.150	*	0.343	** 4	0.923	* 4	0.526	* 1	0.138	1	0.125							* 10	2.275
	_																							
INSTALLATION SCHEDUL												·												
FY 1998		FY 1999			Y 2000			2001		FY 2002			2003			2004		FY 2005		TC				
& Prior	1	2 3	4		2 3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4			TAL		
In .				2	2			2 1	Ш.	1		1										0		
Out	1			J		2 2		1 2	1 1		1	J	1				J 🖳					0		
* Installation funding base	ad upor	EV of oto	rt of o	voilobility	vice be	rdworo dol	i or (inaludaa D	ooian	Continuo ono	1 ^ 4, "	onos Dlanni	n.a											
Installation funding base	su upoi	II I UI SIA	it Ui a	valiability	VICE III	aluwale uel	ivery,	iliciuues D	esigii	Services and	Auve	ance Fianni	iig.											
																				P-0	3A			
								ı	ГЕМ	129	P	AGE 31						CL	ASSIF			LASSIFII	ΞD	

CLASSIFICATION: UNCLASSIFIED																						
P3A		INDIVID	DUAL I	MODIFIC	CATIO	N																
MODELS OF SYSTEM AFFECTED:	LRLS MI	K 16 MO	D 0 - S	HORE		-	TYPE	E MODIF	ICATI	ON:	IMPR	OVED C	CAPAE	BILITIES	6		MODIFICAT	ION T	ITLE:	LRLS - Shoreba	sed	
DESCRIPTION/JUSTIFICATION:																						
The Long Range Line-Up System (LRLS	S) will imp	rove nig	ht airc	craft car	rier la	nding p	erforn	nance tr	aining	at shor	e stati	ons by	provid	ing the	pilot w	ith mor	e precise lin	e-up ii	nformat	ion at a greater	range.	
Installations funded and scheduled in F	/00 at NA	LF Fent	ress,	NALF S	San C	lemente	, NAS	Whidb	ev Isla	and, and	SAN t	Lemoo	re.	Ū	•		•	•		ŭ	Ü	
			,				,		•	,												
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	ONES:					MS III -	JUNE	1999												j
	EV 4007	0 D-1				(4000	-		5 1	0000	-	0004	-	, 0000		0000	EV 0004	-		T 0	то:	T A I
	FY 1997 QTY	& Prior \$	OTY	\$		<u>1998</u> \$	<u>FY</u> QTY	<u>′ 1999</u> \$	QTY	2000 \$	QTY	2001 \$	<u>FY</u> QTY	<u>2002</u>	QTY	2003 \$	FY 2004 QTY \$		2005 \$	TC QTY \$	TOT QTY	S S
FINANCIAL PLAN (IN MILLIONS)	Δ	Ψ						Ψ		Ψ		Ψ		<u> </u>		Ψ						<u> </u>
RDT&E																						
PROCUREMENT																						
INSTALLATION KITS (UNIT COST)						0.153																
INSTALLATION KITS					4	0.612															4	0.612
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE						0.260		0.098														0.358
OTHER - ILS						0.078																0.078
OTHER - ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP									4	0.200											4	0.200
TOTAL PROCUREMENT					4	0.950		0.098		0.200											4	1.248
<u> </u>										ITEM	129	Р	AGE	3	2					CLASSIFICATION	N: UNCLA	SSIFIED

P3A (Continued) INDIVIDUAL MODIFICATION (Continued)																								
MODELS OF SYSTEMS AFFE	: <u>LRL</u>	S MK	16 MOD	0 - SHC	RE		MODIFICATION TITLE: L					RLS - Shorebased								_				
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT		ALTERA			LATION	TEAM	(AIT)																	
ADMINISTRATIVE LEADTIME			Mor							N LEADTII			12 Mon		_									
CONTRACT DATES: FY 1999:				N/A				FY 2000: 12/99										1	_					
DELIVERY DATE: FY 1999: N/A			N/A				FY 2000):	12/0	0			F١	2001:		N/A	1	_						
										(\$ in !	Million	s)												
Cost:	Pri	Prior Years FY 1				1998	F	Y 1999	F	Y 2000	FÝ 2001		FY 2002		F	Y 2003	FY 2004		FY 2005		To Complete		1	otal
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									4	0.200													4	0.200
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									4	0.200													4	0.200
	_																							
INSTALLATION SCHEDUL									1								1							
FY 1998		FY 1999			Y 2000			2001	Ш.	FY 2002	-		Y 2003			2004		FY 2005		<u>TC</u>				
& Prior	1	2 3	4		2 3	4 1	_ 2	3 4	1	2 3	4	1 2	2 3	4 1	2	3 4	1	2 3	4		TO			
ln .				4		.																4		
Out				1	2 1	1			J L													4		
																				P.	3A			
										100									40015	1047101	_			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL I	MODIFIC	CATIC	N																		
MODELS OF SYSTEM AFFECTED: NEW SYSTEM - CV(N)						TYPE MODIFICATION:				ENHANCED CAPABILITY					MODIFICATION TITLE: VISUAL									
DESCRIPTION/JUSTIFICATION:																								
The Virtual Imaging System for Approach	h and La	ndina (V	ISLIAI) will n	rovide	shin's	comp	any laur	nch ar	nd recov	erv ne	rsonnel	with	enhance	d ima	ages of a	aircra	ft in day	niah	nt and lo	w vis	ihility cond	litions	
VISUAL will utilize electro-optical sensor																								
workstations. This is a modified Non-De), (L VVI	пторіас	o sta	ila alono	, agii	ig Systoi	113/00	niponci	113 00	arr Critiy i	ouria		and LOO	
Workstations. This is a mounted Non-De	evelopitie	illai ileiii	(INDI)	, procur	CITICI	ii. 10 C	, v (IN)	- 12 L C	nass.															
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:					MS II - I	March	2000	_													
								EV. 1000 EV. 0000						E)/2000 E)/200				_			T 0			
	FY 1997		QTY \$		<u>FY 1998</u> QTY \$		FY 1999		FY 2000		<u>FY 2001</u> QTY \$		FY 2002		FY 2003		FY 2004 OTY \$		<u>FY 2005</u> QTY \$		TC TC		TOTAL	
	QTY	\$	QIY	\$	QIY	\$	QTY	\$	QTY	\$	QIY	\$	QTY	\$	QTY	\$	QTY	\$	QIY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E				2.055		3.111		1.623		5.593		5.600		5.100		2.700								25.782
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)																1.500		1.500		1.500		1.500		1.500
INSTALLATION KITS															2	3.000	3	4.500	3	4.500	14	21.000	22	33.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE														0.233		0.319		0.254		0.149				0.955
OTHER - ILS														0.087		0.485		0.298		0.083		0.203		1.156
OTHER - ATE																0.050		0.125						0.175
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP														0.058		0.384	2	2.106	3	2.589	17	14.822	22	19.959
TOTAL PROCUREMENT														0.378	2	4.238	3	7.283	3	7.321	14	36.025	22	55.245

19.959

55.245

CLASSIFICATION: UNCLASS	SIFIED)																						
P3A (Continued)						INDIVID	JAL M	ODIFICAT	ION (Continue	d)													
MODELS OF SYSTEMS AFFE	CTE	D: <u>NEV</u>	V SYS	STEM - C	V(N)			_ MC	DIFIC	ATION T	ITLE:	VISUA	L								_			
INSTALLATION INFORMATION	DN:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD/	AIT																				
ADMINISTRATIVE LEADTIME	:	2	. Mor	nths				PRODU	CTION	I LEADTI	ME:		12 Mor	nths										
CONTRACT DATES:	FY 1	1999:		N/A				FY 2000	:	N/A	A			FY	2001:		N/A							
DELIVERY DATE:	FY 1	1999:		N/A		•		FY 2000	:	N/	Ą			FY	2001:		N/A		_					
										(\$ in	Million	ıs)												
Cost:	Pri	or Years			F	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete		Total
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT											T													
PRIOR YEARS																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT													*	0.058		0.236	2	1.750					2	2.044
FY 2004 EQUIPMENT															*	0.148	*	0.236	3	2.250			3	2.634
FY 2005 EQUIPMENT																		0.120	*	0.236	3	2.250	3	2.606
TO COMPLETE																			*	0.103	14	12.572	14	12.675
INSTALL COST - FMP													*	0.058	*	0.384	* 2	2.106	3	2.589	17	14.822	22	19.959
INSTALLATION SCHEDUL																					_			
FY 1998		FY 1999			2000			2001	Ш.	FY 2002			Y 2003			2004		FY 2005		TC				
& Prior	1	2 3	4	1 2	3	4 1	_ 2	3 4	1	2 3	4	1 2	2 3	4 1	2	3 4	1	2 3	4			TAL		
In _															2		1	2		17		22		
Out	J L] [J ∟			l L				1 1	J L	1 1	1	17		22		
* Installation funding based (ınon E	V of ctart o	f avail	ability viac	hardy	vara daliv	ny inc	ludos Dosi	ian Sa	rvices end	4 Adva	nco Plant	nina											
	ipun F	i oi stait 0	ı avall	ability vice	ilaiuv	vare uelive	ziy, ii lC	iuues Desi	ıyıı se	i vices alle	Auva	IICE FIAIII	mig.											
																				P-3	8A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVI	DUAL N	ODIFIC	CATION	1																		
MODELS OF SYSTEM AFFECTED:	NEW SYS	STEM					TYPE	MODIFI	CATIO	ON:	RECA	PITALIZ	ZATIC	N		<u>.</u>	MOE	IFICATION	ON TI	TLE:	Moria	h		
DESCRIPTION/JUSTIFICATION:																								
Moriah integrates the measuring and disp	lay of Wir	nd and I	Meterol	ogical i	nforma	ation into	one i	ntegrate	d sys	tem. Ap	plicab	e platfo	rms i	nclude 1	1 CV	'(N)s, 5	LHA:	s, 7 LHC)s, 2 l	_CCs, a	nd 2 /	AGFs. FY	'03 funded	
installations are for USS ABRAHAM LINC	COLN (CV	/N 72), a	and US	SS GEO	DRGE	WASHI	NGTC	ON (CVN	۱73),	and US	S HAR	RYS.	ΓRUN	//AN (C\	/N 75	i).								
		= 0 = .																						
DEVELOPMENT STATUS/MAJOR DEVELO	JPMENT I	MILEST	ONES:					MS III - N	March 2	2002														
	FY 1997	0 Dries			ΓV	1000		/ 1000		/ 2000	ΓV	2004		/ 2002		′ 2002		/ 2004	Ε.ν.	2005		TC	TO	ΤΛΙ
	QTY	\$	QTY	Ф	QTY	<u>1998</u> \$	QTY	<u>′ 1999</u> \$		<u>/ 2000</u> * \$		2001 \$		<u>′ 2002</u> \$		<u>2003 </u>	QTY	<u>2004</u> \$		<u>2005</u> \$	QTY	<u>TC</u> \$	QTY	<u> </u>
FINANCIAL PLAN (IN MILLIONS)	QII	T T	Q I I	Ψ	Q I I	Ψ	QII	Ψ I	QII	Ψ I	Q I I	Ψ	QII	Ψ	QII	<u>Ψ</u>	QII	Ψ	QII	Ψ	Q I I	Ψ	Q I I	Ψ
	+		+		-				+												\vdash			
RDT&E						0.555		0.400		1.800		1.400		0.400										4.555
<u>PROCUREMENT</u>									1															
INSTALLATION KITS (UNIT COST)														0.272		0.279						0.133		0.197
INSTALLATION KITS													5	1.360	7	1.950					15	2.000	27	5.310
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE												0.124		0.268		0.271		0.133						0.796
OTHER - ILS												0.050		0.224		0.270		0.157						0.701
OTHER - ATE														0.075										0.075
INTERIM CONTRACTOR SUPPORT		1			i –			1																
INSTALL COST - FMP		1			i –			1				0.238		0.346	5	1.557	3	0.770	4	0.960	15	2.208	27	6.079
TOTAL PROCUREMENT		1			i –			1				0.412	5	2.273	7	4.048	_	1.060		0.960	15	4.208	27	12.961
	•			1						ITEM	129		AGE	36							_		N: UNCLA	

CLASSIFICATION: UNCLAS	SIFIED)																							
P3A (Continued)						INI	DIVIDU	JAL MO	DIFICATION	ON (Co	ontinued)														
MODELS OF SYSTEMS AFF	ECTED	D: <u>NEW</u>	V SYS	TEM					M	ODIFIC	CATION T	ITLE:	Moriah									-			
INSTALLATION INFORMATION	ON:																								
METHOD OF IMPLEMENTAT	TON:	AIT / VRT	-																						
ADMINISTRATIVE LEADTIM	E:	5 MONTH	S						PRODU	JCTIO	N LEADTI	ME:	12 MONT	HS		_									
CONTRACT DATES:		999:			/A				FY 200			N/A				2001			3/01	_					
DELIVERY DATE:	FY 1	999:		N/	/A				FY 200	0:		N/A			FY	2001	: <u> </u>	03	3/02	_					
											(\$ in Mi	llions)													
Cost:	Pri	ior Years				FY 1	998	F'	/ 1999	F	Y 2000		FY 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete		Total
	Qty	\$				Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT													0.050		0.050		0.050		0.050						0.200
PRIOR YEARS																								<u> </u>	
FY 1997 EQUIPMENT																									
FY 1998 EQUIPMENT																									
FY 1999 EQUIPMENT																									
FY 2000 EQUIPMENT																									
FY 2001 EQUIPMENT																									
FY 2002 EQUIPMENT												*	0.188	*	0.188	5	1.255							5	1.631
FY 2003 EQUIPMENT														*	0.108	*	0.252	3	0.720	4	0.960			7	2.040
FY 2004 EQUIPMENT																								<u> </u>	
FY 2005 EQUIPMENT																									
TO COMPLETE																						15	2.208	15	2.208
INSTALL COST - FMP												*	0.238	* 5	0.346	* 5	1.557	3	0.770	4	0.960	15	2.208	27	6.079
	_																								
INSTALLATION SCHEDUI																					I === 1				
FY 1998		FY 1999			FY 2			FY 2			FY 2002			2003	11	_	2004		FY 2005		TC				
& Prior	1 1	2 3	4	1	2	3 4	<u> </u>	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4			TAL		
ln .													1	2	2 1	1	1	2	2		15		27		
Out	J ∟			<u> </u>			ᆚᆫ						1	2	2	1	1 1	2	1 1		15		27		
* Installation funding base	d unon	EV of start of	of avail:	ahility y	ice ha	rdware	deliver	v includ	es Desian	Servic	na and Ac	lvance	Planning												
mistaliation runaling bases	и проп	i i oi stait t	Ji avan	ability v	noc no	avaic	aciivci	y, morac	oo Doolgii	OCIVIC	703 and 710	ivarioc	, i iai ii ii ig.												
																					P-3	SA.			
										ITEM	129	P	AGE 37						CL	ASSIF	ICATION:	UNC	LASSIFIE	.D	

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVIE	DUAL N	/IODIFIC	CATION	1																		
MODELS OF SYSTEM AFFECTED:	NEW SYS	STEM					TYPE	MODIF	ICATIO	ON:	RECA	PITALIZ	ZATIC	N		-	MOD	IFICAT	ION TI	TLE:	Moria	ah - Shoreb	ased	
DESCRIPTION/JUSTIFICATION:																								
Moriah integrates the measuring and disp									ed sys	stem. S	System	s will be	insta	illed at N	laval	Training	Cen	ter - Gr	eat Lal	kes, IL;	Nava	al Aviation	Technical	
Training Center (NATTC) - Lakehurst, N	J; and Na	aval Tech	nnical	Trainin	g Unit -	Keesle	er AFB																	
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:					MS III - I	March 2	2002				•										
	FY 1997	& Prior			FY	1998	FY	1999	FΥ	/ 2000	FY	2001	F١	2002	FΥ	2003	ΕY	2004	FY	2005		TC	TO	TAL
	QTY	\$	QTY	\$				\$		\$								\$			QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)														0.174										
INSTALLATION KITS													3	0.522									3	0.522
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE												0.035		0.025										0.060
OTHER - ILS												0.022		0.010										0.032
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP															3	0.549							3	0.549
TOTAL PROCUREMENT												0.057	3	0.557		0.549							3	1.163
	•	•		•	•	•	-	•		ITEM	129	P	AGE	38		•	•	-			CLAS	SSIFICATION	ON: UNCLA	SSIFIED

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM	CLASSIFICATION: UNCLASS	SIFIED																							
NSTALLATION INFORMATION: AIT / VRT ADMINISTRATURE LEADTIME: 5 MONTHS	P3A (Continued)						INDIVIDU	AL MOD	DIFICATION	ON (Co	ntinued)														
METHOD OF IMPLEMENTATION: A IT / VRT ADMINISTRATIVE LEADTIME: 5 MONTHS PRODUCTION LEADTIME: 12 MONTHS CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: 03/01 COSE: Prior Years FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 To Complete Total NSTALLATION SUPPORT	MODELS OF SYSTEMS AFF	ECTED	: <u>NEW</u>	SYST	ГЕМ				_ M	ODIFIC	ATION T	ITLE:	Moriah -	Shore	ebased							_			
ADMINSTRATIVE LEADTIME: \$\frac{1}{5} \frac{1}{1} \frac																									
CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: 0.3002									_																
Sin Millions Sin Millions				3									12 MONT	HS		_									
Cost:							_													_					
Cost:	DELIVERY DATE:	FY 19	999:		N/A		-		FY 2000	0:		N/A			FY	2001:		03	/02	_					
NSTALLATION SUPPORT											(\$ in Mill	ions)													
NSTALLATION SUPPORT	Cost:	Prid	or Years			F	Y 1998	FY	1999	F`	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	F`	Y 2004	F	Y 2005	To C	omplete		Total
PRIOR YEARS		Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
FY 1997 EQUIPMENT FY 1998 EQUIPMENT FY 2008 EQUIPMENT FY 2000 EQUIPMENT FY 2000 EQUIPMENT FY 2000 EQUIPMENT FY 2000 EQUIPMENT FY 2002 EQUIPMENT FY 2002 EQUIPMENT FY 2003 EQUIPMENT FY 2004 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2007 EQUIPMENT FY 2008 EQUI	INSTALLATION SUPPORT																								
FY 1998 EQUIPMENT FY 1998 EQUIPMENT FY 2000 EQUI	PRIOR YEARS																							1	
FY 1999 EQUIPMENT FY 2000 EQUIPMENT FY 2000 EQUIPMENT FY 2001 EQUIPMENT FY 2002 EQUIPMENT FY 2003 EQUIPMENT FY 2003 EQUIPMENT FY 2004 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2007 EQUIPMENT FY 2008 EQUI	FY 1997 EQUIPMENT																								
FY 2000 EQUIPMENT FY 2001 EQUIPMENT FY 2002 EQUIPMENT FY 2002 EQUIPMENT FY 2003 EQUIPMENT FY 2004 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2006 EQUIPMENT FY 2007 EQUIPMENT FY 2008 EQUI	FY 1998 EQUIPMENT																								
FY 2001 EQUIPMENT FY 2002 EQUIPMENT FY 2002 EQUIPMENT FY 2003 EQUIPMENT FY 2004 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2005 EQUIPMENT FY 2006 EQUIPMENT TO COMPLETE INSTALL COST - Non-FMP INSTALLATION SCHEDULE: INSTALLATION SCHEDULE: INSTALLATION SCHEDULE: FY 1998 8 Prior 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 3 3 3 4 1 2 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 4 1 3 3 3 3	FY 1999 EQUIPMENT																							1	
FY 2002 EQUIPMENT	FY 2000 EQUIPMENT																								
FY 2003 EQUIPMENT FY 2004 EQUIPMENT FY 2005 EQUIPMENT TO COMPLETE INSTALL COST - Non-FMP INSTALLATION SCHEDULE: FY 1998	FY 2001 EQUIPMENT																								
FY 2004 EQUIPMENT FY 2005 EQUIPMENT TO COMPLETE INSTALLATION SCHEDULE: FY 1998	FY 2002 EQUIPMENT															3	0.549							3	0.549
FY 2005 EQUIPMENT TO COMPLETE INSTALL COST - Non-FMP INSTALLATION SCHEDULE: FY 1998	FY 2003 EQUIPMENT																								
TO COMPLETE INSTALL COST - Non-FMP INSTALLATION SCHEDULE: FY 1998	FY 2004 EQUIPMENT																							1	
INSTALLATION SCHEDULE: FY 1998	FY 2005 EQUIPMENT																							1	
INSTALLATION SCHEDULE: FY 1998	TO COMPLETE																								
FY 1998 8 Prior 1 2 3 4 1 2 3	INSTALL COST - Non-FMP															3	0.549							3	0.549
FY 1998 8 Prior 1 2 3 4 1 2 3																									
Second 1	INSTALLATION SCHEDUL	.E:																							
Second 1	FY 1998		FY 1999						001		FY 2002	2	FY	2003		FY	2004		FY 2005	5	TC				
Out 1 1 1 1 P-3A	& Prior	1	2 3	4	1 1	2 3	4 1	2	3 4	. 1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
P-3A	In												2	1									3		
	Out												1	1	1								3		

ITEM 129 PAGE 39

CLASSIFICATION: UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION

								DATE	Februa	ry 2000
APPROPRIATION/BUI OP,N - BA3 AVIATION	-	PMENT				P-1 ITEM NOMEN METEOROLOGIC		1226	SUBHEAD 53SP	
	PY	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	ТО СОМР	TOTAL
QUANTITY										
COST (in millions)		\$27.9	\$31.3	\$30.9	\$31.1	\$31.2	\$32.5	\$33.2	Cont.	Cont.

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations and all Navy ships and other activities required to take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

The Tactical Environmental Support System (TESS) Upgrade - Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS. TESS Upgrades include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and afloat and ashore sites.

The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R) / Moriah) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) / Moriah system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the existing Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) will be a fully integrated, single van system capable of automatic data acquisition from communications channels providing METOC data, meteorological satellite, meteorological Doppler radar, and local and remote meteorological sensors. The METMF (R) will be equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

METOC Air, Surface, Undersea Reconnaissance Equipment (MEASURE) is comprised of a diverse suite of off-board sensors and associated processing systems. MEASURE is used to obtain critical METOC data in denied or remote areas. The MEASURE project will provide ship/aircraft deployed drifting buoys, aircraft deployed hinterland clandestine micro sensors, and aircraft/ship deployed atmosphere profiling sensors.

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, procured safety of flight equipment, such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), and Mini-Rawin System (MRS) installed at all Navy and Marine Corps Air facilities worldwide. The Aviation Safety System Upgrades project will provide required system upgrades developed by the lead agency (in most cases, the National Weather Service). These periodic GOTS/COTS upgrades are essential to the continued use of the equipments.

Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.

DATE: **COST ANALYSIS**

February 2000

Unclassified Classification

SUBHEAD

B. APPROPRIATION/BUDGET ACTIVITY

C. P-1 ITEM NOMENCLATURE

OP,N - BA3 AVIATION SUPPORT EQUIPMENT METEOROLOGICAL EQUIPMENT 4226 53SP

						Т	OTAL COST IN	N THOUS	SANDS O	DOLLARS			
COST		IDENT		PY		FY 19			FY 20			FY 20	• •
CODE	ELEMENT OF COST	CODE	QTY	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL
				COST		COST	COST		COST	COST		COST	COST
SP051	AN/SMQ-11 UPGRADES - SPACE	Α			VAR		2,596	VAR		2,434	VAR		2,719
SP190	TESS UPGRADES	A			VAR		10,212	VAR		11,099	VAR		12,218
SP200	SMOOS(R) / MORIAH	A			VAR		220	VAR		3,595	VAR		3,659
SP300	MET EQUIPMENT	N/A			VAR		6,756	VAR		5,569	VAR		4,551
SP500	SUPPLEMENTAL WEATHER RADAR	N/A			5	758.8	3,794	1	794	794	*/		1,001
SP525	MEASURE	N/A					5,1 5 1	VAR		950	VAR		967
SP550	AVIATION SAFETY SYS UPGRADES	N/A			VAR		1,011	VAR		1,097	VAR		1,322
										•			,
SP777	INSTALLATION	N/A			VAR		3,326	VAR		5,790	VAR		5,424
SP776	NON-FMP	N/A			VAR		1,474	VAR		1,230	VAR		1,753
SP777	FMP	N/A			VAR		1,852	VAR		4,560	VAR		3,671
	FMP						1,752			4,435			3,544
	DSA						100			125			127
	DOA						100			120			121
	TOTAL CONTROL						27,915			31,328			30,860
							,			, , ,			,

Remarks:

UNCLASSIFIED CLASSIFICATION

A. DATE PROCUREMENT HISTORY AND PLANNING February 2000 SUBHEAD **B. APPROPRIATION/BUDGET ACTIVITY** C. P-1 ITEM NOMENCLATURE OP,N - BA3 AVIATION SUPPORT EQUIPMENT METEOROLOGICAL EQUIPMENT 4226 53SP CONTRACTOR CONTRACT RFP DATE SPECS DATE COST **ELEMENT OF COST** FΥ AND **METHOD** LOCATION ISSUE **AWARD** OF FIRST QTY UNIT **AVAILABLE** REVISIONS CODE **DELIVERY LOCATION** & TYPE OF PCO DATE DATE COST NOW **AVAILABLE** SP500 SUPPLEMENTAL 99 ENTERPRISE ELEC., AL C/FFP/OP SSC. Charleston 5 758.800 N/A Jun-96 Nov-98 Mar-99 Yes WEATHER RADAR ENTERPRISE ELEC., AL C/FFP/OP SSC, Charleston 794,000 Jun-96 Nov-99 Mar-00 Yes N/A D. REMARKS

DD FORM 2446, JUN 87

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHIP)

FY 98

FY 99

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement.

FY 01

FY 02

FY 03

FY 04

FY 05

TC

Total

FY 00

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	Qty	<u>.</u> \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUIEMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment					VAR	2.6	VAR	2.4	VAR	2.7	VAR	1.4	VAR	2.1	VAR	2.1	VAR	2.2	CONT		VAR	15.5
Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 00 EQUIP	0	0.0	0	0.0	28 28	0.7	28	0.9	28	0.4	28	0.6	28	0.6	28	0.6	28	0.6	0	0.0	196 0 28 28	4.3 0.0 0.7 0.9
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 05 EQUIP							20	0.9	28	0.4	28	0.6	28	0.6	28	0.6	28	0.6			28 28 28 28 28 28	0.4 0.6 0.6 0.6 0.6 0.6
TOTAL INSTALLATION COST		0.0		0.0		0.7		0.9		0.4		0.6		0.6		0.6		0.6		0.0		4.3
TOTAL PROCUREMENT COST		0.0		0.0		3.3		3.3		3.1		2.0		2.6		2.7		2.8		0.0		19.8
METHOD OF IMPLEMENTATION:								ADMINIS	TRATIVE	LEADTIME	:	VAR			PRODUC	TION LEA	DTIME:		VAR			
CONTRACT DATES:	FY 1999:		VAR							FY 2000:		VAR							FY 2001:		VAR	
DELIVERY DATES:	FY 1999:		VAR							FY 2000:		VAR							FY 2001:		VAR	
							E\/					EY										
INSTALLATION SCHEDULE: PY	1	2 2	<u>' 99</u> 3	4		1	2	<u>00</u> 3	4	_	1	2	3	4	_							
INSTALLATION SCHEDULE: PY INPUT	7			7		7	2 FY 7	3 7	7	_	7			7	-							
	7 7	2	3	7 7		7	2	3	7 7	_	7 7	2	3	7 7	-							
INPUT		7	7				7	7	•	-	•	7 7	7	•	-	1	<u>FY</u> 2	<u>05</u> 3	4		TC	<u>10</u>
INPUT		7	3 7 7	7			7	7 7 03	•	-	•	7 7	7	7	- -	<u>1</u>	<u>FY</u> 2 7		4 7		TC CONT	<u>10</u>
INPUT OUTPUT INSTALLATION SCHEDULE:	7	2 7 7 2	3 7 7 7 <u>' 02</u> 3	7		7	7 7 FY 2	7 7 03	7	_	7	2 7 7 7 <u>FY</u> 2	3 7 7 7	7	- -	1 7 7	2	3				<u>TC</u>

^{*} Quantities reflect platforms.

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHORE)

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>P\</u>	<u>′</u>	FY		FY		FY			<u>/ 01</u>		02	FY		FY		FY			<u>)</u>	Tot	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment			VAR	0.9	VAR	0.5	VAR	1.0	VAR	1.2	VAR	0.7	VAR	0.7	VAR	0.7	VAR	0.7	CONT		VAR	6.4
Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP FY 99 EQUIP	0	0.0	26 26	0.6	25 25	0.1	25	0.6	19	0.3	19	0.2	19	0.2	19	0.2	19	0.2	0	0.0	171 0 25	2.5 0.0
FY 90 EQUIP FY 01 EQUIP FY 02 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TC EQUIP					25	0.1	25	0.6	19	0.3	19	0.2	19	0.2	19	0.2	19	0.2			25 25 19 19 19 19 19	0.6 0.3 0.2 0.2 0.2 0.2 0.2
TOTAL INSTALLATION COST		0.0		0.6		0.1		0.6		0.3		0.2		0.2		0.2		0.2		0.0		2.5
TOTAL PROCUREMENT COST		0.0		1.5		0.6		1.6		1.6		0.9		0.9	DD O DU IO	0.9	DT11.15	0.9		0.0		8.9
METHOD OF IMPLEMENTATION:								ADMINIS	IRATIVE	LEADTIME	:	VAR			PRODUCT	I ION LEAL	DTIME:		VAR			
CONTRACT DATES:	FY 1999:		VAR							FY 2000:		VAR							FY 2001:		VAR	
DELIVERY DATES:	FY 1999:		VAR							FY 2000:		VAR							FY 2001:		VAR	
INSTALLATION SCHEDULE: PY	11	2 2	<u>99</u> 3	4		11	2 <u>FY</u>	<u>00</u> 3	4		1	2 2	<u>01</u> 3	4	-							
INPUT 26	6	6	6	7		6	6	6	7		4	5	5	5								
OUTPUT 26	6	6	6	7		6	6	6	7		4	5	5	5								
		FY	02				FY	03				<u>FY</u>	04				FY	05				
INSTALLATION SCHEDULE:	11	2	3	4	•	1	2	3	4		1	2	3	4		11	2	3	4		TC	<u>TO</u> 1
INPUT	4	5	5	5		4	5	5	5		4	5	5	5		4	5	5	5		CONT	
OUTPUT		5	5	5			5	5	5			5	5	5		4	5	5	5		CONT	

^{*} Quantities reflect shore sites.

MODIFICATION TITLE:

SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FINANCIAL PLAN: (\$ in millions)

FINANCIAL PLAN: (\$ in millions)																								
		<u>P'</u>		FY		FY		FY			01		02	FY	03	FY		FY		<u>TC</u>	2	<u>To</u>		
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment		VAR	7.4	VAR	4.4	VAR	4.1	VAR	6.6	VAR	5.6	VAR	5.9	VAR	6.0	VAR	6.2	VAR	6.4	CONT				
Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other		VAR	7.4	VAR	4.4	VAR	4.1	VAR	0.0	VAR	5.0	VAR	5.9	VAR	6.0	VAR	6.2	VAR	0.4	CONT				
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP		54 54	2.3 2.3	28 28	2.3	28	1.2	28	3.7	28	2.2	28	1.8	28	1.8	28	1.8	28	1.8	0	0.0	54 28	2.3 2.3	
FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP				25	2.0	28	1.2	28	3.7	28	2.2	28	1.8									28 28 28 28	1.2 3.7 2.2 1.8	
FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TC EQUIP												28	1.8	28	1.8	28	1.8	28	1.8			28 28 28 28 0	1.8 1.8 1.8 1.8 0.0	
TOTAL INSTALLATION COST			2.3		2.3		1.2		3.7		2.2		1.8		1.8		1.8		1.8		0.0		0.0	
TOTAL PROCUREMENT COST			9.7		6.7		5.3		10.3		7.8		7.7		7.8		8.0		8.2		0.0		0.0	
METHOD OF IMPLEMENTATION:							ADMINIST	TRATIVE L	EADTIME	:	VAR			PRODUCT	TION LEAD	OTIME:		VAR						
CONTRACT DATES:											FV 0000		VAR							FY 2001:				
		FY 1999:		VAR							FY 2000:		VAR							F1 2001.		VAR		
DELIVERY DATES:		FY 1999: FY 1999:		VAR VAR							FY 2000:		VAR							FY 2001:		VAR VAR		
	PY				4		11	<u>FY</u> 2	<u>00</u> 3					<u>01</u> 3	4									
DELIVERY DATES:	PY 82	FY 1999:	<u>FY</u>	VAR <u>′ 99</u>	4 7		<u>1</u>						VAR <u>FY</u>		<u>4</u> 7									
DELIVERY DATES: INSTALLATION SCHEDULE:		FY 1999:	<u>FY</u> 2	VAR <u>′ 99</u> 3			1 7 7	2	3	4		1	VAR <u>FY</u> 2	3										
DELIVERY DATES: INSTALLATION SCHEDULE: INPUT	82	FY 1999:	7 7	VAR <u>' 99</u>	7			7	7 7	7		<u>1</u>	VAR <u>FY</u> 2 7	7 7	7									
DELIVERY DATES: INSTALLATION SCHEDULE: INPUT	82	FY 1999:	7 7	VAR ' 99 3 7	7			7	7 7	7		<u>1</u>	VAR <u>FY</u> 2 7	7	7		1	<u>FY</u> 2					10	<u>OTAL</u>
DELIVERY DATES: INSTALLATION SCHEDULE: INPUT OUTPUT	82	FY 1999:	7 7 FY	VAR (99 3 7 7	7			2 7 7 FY	3 7 7 7 03	4 7 7		<u>1</u>	VAR	3 7 7 7 05	7		1 7	F <u>Y</u> 2	<u>05</u>	FY 2001:		VAR	<u>10</u>	<u>'TAL</u>

^{*} Quantities reflect platforms.

MODIFICATION TITLE:

SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)																								
		<u>P</u>			98		99		<u>′ 00</u>		<u>/ 01</u>		<u>′ 02</u>		03		<u>′ 04</u>		05	<u>I</u>	<u>.c</u>		<u>ital</u>	i
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment		Qty VAR	4.5	Qty VAR	3.0	Qty VAR	6.1	Qty VAR	4.5	Qty VAR	6.7	Qty VAR	6.8	Qty VAR	7.0	Qty VAR	7.2	Qty VAR	7.3	Qty	\$	Qty	\$	
Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP		98 98	2.7 2.7	49 49	0.6	77 77	0.9	77	0.5	77	1.2	77	1.2	77	1.2	77	1.2	77	1.2	0	0.0	98 49 77 77	2.7 0.6 0.9 0.5	
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 05 EQUIP FY TC EQUIP										77	1.2	77	1.2	77	1.2	77	1.2	77	1.2			77 77 77 77 77 77	1.2 1.2 1.2 1.2 1.2 0.0	
TOTAL INSTALLATION COST			2.7 7.2		0.6 3.6		7.0		0.5 5.0	ļ	7.9		1.2 8.0		1.2		1.2		1.2		0.0		0.0	
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:			1.2		3.6	1	7.0			TRATIVE	7.9 LEADTIN	1E:	VAR	1	8.2	PRODUC	8.4 CTION LEA	ADTIME:	8.5	VAR	0.0	1	0.0	
CONTRACT DATES:		FY 1999:		VAR							FY 2000:		VAR								FY 2001		VAR	
DELIVERY DATES:		FY 1999:		VAR							FY 2000:		VAR								FY 2001		VAR	
INSTALLATION SCHEDULE:	PY	1	<u>F)</u> 2	<u>′ 99</u> 3	4	_	1	<u>FY</u> 2	<u>′ 00</u> 3	4	_	1	<u>F)</u> 2	<u>Y 01</u> 3	4	_								
INPUT	147	19	19	19	20		19	19	19	20		19	19	19	20									
OUTPUT	147	19	19	19	20		19	19	19	20		19	19	19	20									
INSTALLATION SCHEDULE:		1	<u>F)</u> 2	<u>′ 02</u> 3	4	_	1	<u>FY</u> 2	<u>′ 03</u> 3	4	_	1	<u>F)</u> 2	<u>Y 04</u> 3	4	_	1	<u>FY</u> 2	<u>05</u> 3	4	_	TC		TOTA
INPUT		19	19	19	20		19	19	19	20		19	19	19	20		19	19	19	20		CONT		
OUTPUT		19	19	19	20		19	19	19	20		19	19	19	20		19	19	19	20		CONT		

^{*} Quantities reflect shore sites.

^{**} Beginning in FY99, the TESS Upgrade architecture supports an increased number of shore sites in order to accommodate non-Oceanographers who previously did not have direct access to METOC data to support their tactical operations.

UNCLASSIFIED

FY 00

MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

SP200 - SMOOS(R) / MORIAH (SHIP)

DESCRIPTION/JUSTIFICATION: SMOOS(R) / MORIAH CONSISTS OF ENVIRONMENTAL SENSORS, AN AUTOMATED DATA ACQUISITION PROCESSING SYSTEM, MULTIPLE SYSTEM INTERFACES,

FY 99

FY 98

AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR ALL IDENTIFIED SHIP CLASSES AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

FY 01

FY 02

FY 03

FY 04

FY 05

TC

Total

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

		<u>.</u>		<u>90</u> \$	I 04:	\$		<u>00</u> \$	1 04.	<u>s</u> 1	Ot: -	\$		03	I 04	\$	I 04.	\$		<u> </u>			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																							
PROCUREMENT:																							
Kit Quantity																							
Installation Kits																							
Installation Kits Nonrecurring																							
Equipment					VAR	0.2	VAR	3.4	VAR	3.5	VAR	3.5	VAR	4.7	VAR	5.2		0.0	CONT		VAR	20.6	
Equipment Nonrecurring																							
Engineering Change Orders																							
Data																							
Training Equipment																							
Support Equipment																							
Other																							
Interim Contractor Support																							
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	39	1.2	42	2.0	41	1.8	55	2.1	55	2.2	0	0.0	232	9.2	
PRIOR YR EQUIP																					0	0.0	
FY 98 EQUIP																					0	0.0	
FY 99 EQUIP																					0	0.0	
FY 00 EQUIP																					0	0.0	
FY 01 EQUIP									39	1.2											39	1.2	
FY 02 EQUIP											42	2.0									42	2.0	
FY 03 EQUIP													41	1.8							41	1.8	
FY 04 EQUIP													41	1.0	55	0.4					55		
															55	2.1						2.1	
FY 05 EQUIP																	55	2.2			55	2.2	
FY TC EQUIP																					0	0.0	
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		1.2		2.0		1.8		2.1		2.2		0.0		9.2	
TOTAL PROCUREMENT COST		0.0		0.0		0.2		3.4		4.7		5.5		6.5		7.2		2.2		0.0		29.8	
								ADMINIS	TRATIVE L	.EADTIM	E:	VAR			PRODUC	TION LEA	ADTIME:		VAR				
								ADMINIS	STRATIVE L	.EADTIM	E:	VAR			PRODUC	TION LEA	ADTIME:		VAR				
CONTRACT DATES.	EV 4000		VAD					ADMINIS				VAR			PRODUC	TION LEA		EV 2001		VAR			
CONTRACT DATES:	FY 1999:		VAR					ADMINIS	FY 2000:		E: VAR	VAR			PRODUC	TION LEA		FY 2001:		VAR			
CONTRACT DATES:	FY 1999:		VAR					ADMINIS				VAR			PRODUC	TION LEA		FY 2001:		VAR			
								ADMINIS	FY 2000:		VAR	VAR			PRODUC	TION LEA			:				
CONTRACT DATES: DELIVERY DATES:	FY 1999: FY 1999:		VAR VAR					ADMINIS				VAR			PRODUC	TION LEA		FY 2001:	:	VAR VAR			
		E\.	VAR						FY 2000:		VAR		01		PRODUC	TION LEA			:				
DELIVERY DATES:			VAR <u>′ 99</u>				<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR	<u>FY</u>			PRODUC	TION LEA			:				
		<u>F)</u> 2	VAR	4		1			FY 2000:		VAR		<u>01</u> 3	4	PRODUC	TION LEA			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY			VAR <u>′ 99</u>	4		1	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR VAR	<u>FY</u> 2	3	4	PRODUC	TION LEA			:				
DELIVERY DATES:			VAR <u>′ 99</u>	4		1	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR	<u>FY</u>			PRODUC	TION LEA			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT			VAR <u>′ 99</u>	4		1	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR VAR 1 9	<u>FY</u> 2	10	4	PRODUC	TION LEA			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY			VAR <u>′ 99</u>	4		1	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR VAR	<u>FY</u> 2	3	4	PRODUC	TION LE			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT			VAR <u>′ 99</u>	4		11	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR VAR 1 9	<u>FY</u> 2	10	4	PRODUC	TION LE			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT			VAR <u>′ 99</u>	4		11	<u>FY</u>	<u>′ 00</u>	FY 2000:		VAR VAR 1 9	<u>FY</u> 2	10	4	PRODUC	TION LEA			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT		2	VAR <u>′ 99</u> 3	4		11	<u>FY</u> 2	<u>′ 00</u> 3	FY 2000:		VAR VAR 1 9	F <u>Y</u> 2 10 10	10 10	4	PRODUC	TION LE		FY 2001:	:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT		2	VAR <u>′ 99</u>	4		1	<u>FY</u> 2	<u>′ 00</u>	FY 2000:		VAR VAR 1 9	<u>FY</u> 2	10 10	4	PRODUC	TION LE			:				
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT		2	VAR <u>′ 99</u> 3	4		1	<u>FY</u> 2	<u>′ 00</u> 3	FY 2000:		VAR VAR 1 9	F <u>Y</u> 2 10 10	10 10	4	PRODUC	1		FY 2001:	:		TC		TOTAL
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT		2 <u>F</u> Y	VAR 7 99 3	4		1	2 EY	<u>′ 00</u> 3	FY 2000: FY 2000:		VAR VAR 1 9	F <u>Y</u> 2 10 10	10 10	4 10 10	PRODUC	1	<u>FY</u>	FY 2001:	:		TC		<u>TOTAL</u>
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT INSTALLATION SCHEDULE:		2 <u>FY</u> 2	VAR 7 99 3			1 1	EY 2 EY 2	'00 3 3 '03 3	FY 2000: FY 2000: 4		VAR VAR 1 9 9	F <u>Y</u> 2 10 10	10 10	4 10 10	PRODUC		<u>FY</u>	FY 2001:	4		TC		
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT	FY 1999:	2 <u>F</u> Y	VAR / 99 3 3 / 02 3	4 11		1 10	2 EY	<u>′ 00</u> 3	FY 2000: FY 2000:		VAR VAR 1 9	FY 2 10 10 FY 2	3 10 10 04 3	4 10 10	PRODUC	1	<u>EY</u> 2	FY 2001:	:		TC		<u>TOTAL</u> 232
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT INSTALLATION SCHEDULE: INPUT	FY 1999:	2 FY 2	VAR (199) 3 3 (102) 3 11	11			EY 2 10	7 <u>00</u> 3 7 <u>03</u> 3	FY 2000: FY 2000: 4 4 11		VAR VAR 1 9 9 1 13	FY 2 10 10 FY 2 14	3 10 10 10 04 3	4 10 10 4	-	1 13	<u>FY</u> 2	FY 2001:	4 14		TC		232
DELIVERY DATES: INSTALLATION SCHEDULE: PY INPUT OUTPUT INSTALLATION SCHEDULE:	FY 1999:	2 <u>FY</u> 2	VAR / 99 3 3 / 02 3			1 1 10 10	EY 2 EY 2	'00 3 3 '03 3	FY 2000: FY 2000: 4		VAR VAR 1 9 9	FY 2 10 10 FY 2	3 10 10 04 3	4 10 10	PRODUC	1	<u>EY</u> 2	FY 2001:	4		TC		

Feb-00

Feb-00

Total

MODIFICATION TITLE:

SP200 - SMOOS(R) / MORIAH (SHORE)

FY 98

FY 99

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

 $SMOOS(R) \ / \ MORIAH \ CONSISTS \ OF \ ENVIRONMENTAL \ SENSORS, \ AN \ AUTOMATED \ DATA \ ACQUISITION \ PROCESSING \ SYSTEM, \ MULTIPLE \ SYSTEM \ INTERFACES,$

FY 00

AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR ALL IDENTIFIED SHIP CLASSES AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

FY 01

FY 02

FY 03

FY 04

FY 05

TC

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	. <u>Pr</u>			98		99	<u>- EY</u>	00	. <u>FY</u>	01		02	<u>- FY</u>	03	. <u>F</u> Y	04		Y U5		<u>u</u>	10	al	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support							VAR	0.2	VAR	0.1	VAR	0.2	VAR	0.2	VAR	0.3	VAR	0.0			VAR	1.0	
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1	7	0.2	9	0.3	8	0.2	8	0.2	0	0.0	35 0 0 0 0	1.0 0.0 0.0 0.0	
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP									3	0.1	7	0.2	9	0.3	8	0.2	8	0.2			3 7 9 8	0.0 0.1 0.2 0.3 0.2 0.2	
FY TC EQUIP																					0	0.0	
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.1		0.2		0.3		0.2		0.2		0.0		1.0	
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.2		0.2		0.4		0.5		0.5		0.2		0.0		1.9	
CONTRACT DATES:	FY 1999:		VAR						FY 2000:		IE: VAR	VAR			PRODUC	CTION LE	ADTIME:		VAR FY 2001:		VAR		
DELIVERY DATES:	FY 1999:		VAR						FY 2000:		VAR								FY 2001:		VAR		
INSTALLATION SCHEDULE: PY	1	2 <u>FY</u>	<u>99</u> 3	4	-	1	2 2	<u>' 00</u> 3	4		1	2 2	<u>01</u> 3	4	=								
INPUT											0	1	1	1									
OUTPUT											0	1	1	1									
INSTALLATION SCHEDULE:	1	<u>FY</u> 2	<u>' 02</u> 3	4	_	1	<u>FY</u> 2	<u>′ 03</u> 3	4		1	<u>FY</u> 2	<u>04</u> 3	4	_	1	<u>FY</u> 2	<u>Y 05</u> 3	4	_	TC		<u>TOTAL</u>
INPUT	2	2	2	1		2	2	3	2		2	2	2	2		2	2	2	2				35
				•			_	Ü					_										
OUTPUT	2	2	2	1		2	2	3	2		2	2	2	2		2	2	2	2				35

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:

SP500 - SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)																								
		. <u>P</u>	<u>Y</u>	FY	98	<u>F)</u>	<u>/ 99</u>		Y 00		<u>/ 01</u>	<u>F</u>	<u>/ 02</u>	FY	03	<u>F</u>	′ 04	<u>FY</u>	′ <u>05</u>	<u>T</u>	<u>C</u>	<u>Tc</u>		i
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment		4	3.3			5	3.9	1	0.8													10	7.9	
Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP		4 4	0.1 0.1	0	0.0	5	0.3	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6 0 0	0.4 0.0 0.0	
FY 98 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 02 EQUIP FY 03 EQUIP						5	0.3	1	0.1													5 1 0 0	0.0 0.3 0.1 0.0 0.0	
FY 04 EQUIP FY 05 EQUIP FY TO EQUIP TOTAL INSTALLATION COST			0.1		0.0		0.3		0.1		0.0		0.0		0.0		0.0		0.0		0.0	0 0 0	0.0 0.0 0.0 0.0	
TOTAL INSTALLATION COST TOTAL PROCUREMENT COST		-	3.4		0.0		4.2		0.1		0.0		0.0		0.0		0.0		0.0		0.0		8.4	
METHOD OF IMPLEMENTATION:			3.4	1	0.0	L	4.2	1		TRATIVE	LEADTIN	IE:	2 MONTH	HS	0.0	PRODUC	CTION LE	ADTIME:	0.0	4 MONTH			8.4	
CONTRACT DATES:		FY 1999:		Nov-98							FY 2000:		Nov-99							FY 2001:				
DELIVERY DATES:		FY 1999:		Mar-99							FY 2000:		Mar-00							FY 2001:				
INSTALLATION SCHEDULE:	PY	1	2 2	<u>7 99</u> 3	4	_	1	2 2	<u>Y 00</u> 3	4	_	1	2 2	<u>' 01</u> 3	4	_								
INPUT	4			3	2				1															
OUTPUT	2	2			3		2			1														
INSTALLATION SCHEDULE:		1	<u>FY</u> 2	<u>/ 02</u> 3	4	_	1	<u>F</u>	<u>Y 03</u> 3	4	_	1	<u>FY</u> 2	<u>′ 02</u> 3	4	_	1	<u>FY</u> 2	<u>′ 03</u> 3	4		TC		TOTAL
INPUT																								10
OUTPUT																								10

MODIFICATION TITLE:

SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed safety of flight equipment, such as NEXRAD, ASOS and MRS, installed at 50 Navy and Marine Corps Air facilities worldwide.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)																							
	<u>P</u>	<u>'Y</u>		<u>/ 98</u>	FY			00	FY			02	FY		FY			<u>′ 05</u>	<u>T</u>		<u>To</u>		
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment	Qty	<u>\$</u>	Qty	\$	Qty VAR	1.0	Qty	1.1	Qty VAR	1.3	Qty VAR	1.3	Qty VAR	1.4	Qty VAR	1.4	Qty	1.4	Qty	\$	Qty	9.0	
Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support					VAR	1.0	VAR	1.1	VAR	1.3	VAR	1.3	VAR	1.4	VAR	1.4	VAR	1.4	CONT		VAR	9.0	
Installation of Hardware* PRIOR YR EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP	0	0.0	0	0.0	50 50	0.2	50 50	0.0	50	0.1	50	0.2	50	0.2	50	0.2	50	0.2	0	0.0	350 0 0 50 50	1.2 0.0 0.0 0.2 0.0	
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TC EQUIP									50	0.1	50	0.2	50	0.2	50	0.2	50	0.2			50 50 50 50 50 50	0.1 0.2 0.2 0.2 0.2 0.0	
TOTAL INSTALLATION COST		0.0		0.0		0.2		0.0		0.1		0.2		0.2		0.2		0.2		0.0		1.2	
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:		0.0		0.0		1.2		1.1	TRATIVE	1.4	ME.	1.5 VAR		1.6	PRODUC	1.6	DTIME:	1.7	VAR	0.0		10.2	
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DELIVERY DATES:	FY 1999:		VAR						FY 2000:		VAR							FY 2001:		VAR			
INSTALLATION SCHEDULE: PY	1	2 2	<u>/ 99</u> 3	4		1	2 2	3	4		1	2 2	<u>' 01</u> 3	4	-								
INPUT	12	12	13	13		12	12	13	13		12	12	13	13									
OUTPUT	12	12	13	13		12	12	13	13		12	12	13	13									
INSTALLATION SCHEDULE:	1_	<u>F`</u> 2	<u>/ 02</u> 3	4		1	<u>FY</u> 2	<u>03</u> 3	4		1_	<u>FY</u> 2	<u>' 04</u> 3	4	_	1	<u>FY</u> 2	<u>′ 05</u> 3	4	-	TC		TOTAL
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OUTPUT	12	12	13	13		12	12	13	13		12	12	13	13		12	12	13	13		CONT		

UNCLASSIFIED CLASSIFICATION

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PROP	RIATION/BUDGET ACTIV	/ITY														P-1 I	TEM	NON	IENC	LAT	URE														!	SUBI	HEAD	D NO).			
P,N - B	A3 AVIATION SUPPORT	EQUIP	MEN.	T													MET	EOR	OLO	GICA	AL EC	QUIP	MEN.	T 4	226												53SP	,				
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			PRODUCTION RATE			PROCUREMEN	IT LEADTIMES			
	Manufacturer's				ALT Prior	ALT After	Initial	Reorder		Unit of
ITEM	Name and Location	MSR	1-8-5	MAX	to Oct 1	Oct 1	Mfg PLT	Mfg PLT	Total	Measure

NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 Shopping List - Item No 130-12 of 130-12

UNCLASSIFIED

CLASSIFICATION

UNCLASSIFIED

		BUE	GET ITEM	JUSTIFIC <i>A</i>	ATION SHE	ET			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/BL	JDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE	Ē			
OTHER PROCU	REMENT, N	IAVY/B	A-3 AVIATION	ON SUPPO	RT EQUIPM	/IENT	OTHER PHO	TOGRAPHIC E	QUIPMENT -	Y3SX		
Program Element for (Code B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
OLIANITITY												
QUANTITY COST												
(In Millions)	68.0		0.8	0.6	1.7	1.7	1.7	1.8	1.8	1.8	10.1	90.0

OTHER PHOTOGRAPHIC EQUIPMENT

The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). The main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training, and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation).

This imagery is used at all levels within the Executive Branch of the government including CNO, SECNAV, JCS, National Military Command Center, and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at the local, theater, and global levels (CVBG, CINC, and JCS).

Digital technology will generate less environmentally damaging effluents than traditional photographic processes and will have no impact on shipboard water consumption. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.

In order to fully utilize the film technology employed on ships, a two phase transition plan will be implemented. An interim photo lab will be installed to interface with existing film technology which will allow the ships to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability will determine the installation schedule. Phase II digital capability began in late FY95/early FY96 and will be completed in FY03.

Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipment/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in FY95. Phase II began in FY95 and continues beyond the FYDP.

NOTE: Due to the Navy's decision to combine small programs, funding previously provided under Y3S4 (Rewson Photographic Equipment) for FY00-05 has been moved to Y3SX.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO. 131 PAGE NO. 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE:
P-40 (Continued)		February 2000
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT	OTHER PHOTOGRAPHIC E	EQUIPMENT - Y3SX
Program Element for Code B Items:	Other Related Program Elem	nents
REWSON: Reconnaissance Electronic Warfare Special Operations Navy		
This line procures photographic film processing, printing, and film interpretation equipment for the exclusive supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Caintelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group	arrier Intelligence Center (CVIC) ph	notographic requirements, and the hand held
Also, this equipment supports the photographic intelligence that is disseminated from internal and National sour NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and	3 \ ,	• • • • • • • • • • • • • • • • • • • •
This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downl exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).	inked from TARPS. The digital su	ites can be expanded into the future to be used for
The FY00-01 funds are to continue phased procurement to meet needed inventory objectives.		
NOTE: Due to the Navy's decision to combine small programs, all Y3S4 funds for FY00-05 have been moved to	to Y3SX (Other Photographic Equi	pment).
		FIONI:

P-1 SHOPPING LIST

PAGE NO. 2

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO. 131

UNCLASSIFIED

BU	JDGET	ITEM JU	STIFICATION		FOR AGGR	EGATED I	ГЕМЅ		DATE:			
				P-40a			T			Februa	ry 2000	
APPROPRIATION/BUDG	GET ACT	TVITY					P-1 ITEM NON	MENCLATURE				
OTHER PROCURE	MENT,	, NAVY/ B	A-3 AVIATI	ON SUPPO	RT EQUIPM	/IENT		OTHER F	HOTOGRAPH	IC EQUIPMEN	T - Y3SX	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000 **	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
DPL Workstation	Α											
Quantity		27	2	2	3	3	3	3	3	3	5	54
Funding		3,726	280	280	427	433	437	446	456	466	790	7,741
Digital SLR Color Camera	Α											
Quantity		64	10	3	2	2	2	2	2	2	50	139
Funding		1,728	270	78	53	53	53	53	49	51	2,028	4,416
DCRS	Α											
Quantity		0	0	0	4	4	4	4	4	4	21	45
Funding		0	0	0	660	671	684	698	711	727	4,004	8,155
Other Costs		62,584	228	257	536	525	549	558	586	597	3,230	69,650
Total P-1 Funding*		68,038	778	615	1,676	1,682	1,723	1,755	1,802	1,841	10,052	89,962
Includes Rewson		,			,	•	,		,	,	,	•
*Includes quantities to mee	t inventory	y objective plu	s losses.									
** Effective FY 2000, fund	ina previo	usly identified	under the REW	/SON Photogra	hic Equipment I	ine (BLI 425600)) transitions to t	his line item for	consolidation pu	rposes.		
	31				1.1	,				,		
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P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 131 PAGE NO. 3

UNCLASSIFIED

	WEAPONS SYSTEM CO: P-5	ST ANA	LYSIS			Weapon Sy	stem						DATE: Fe	bruary 20	00
OTHER	PRIATION/BUDGET ACTIVITY R PROCUREMENT NAVY AVIATION SUPPORT EQUIPMENT					ID Code			URE/SUBHEA		- Y3SX		I		
BAO	AVIATION GOTT ON TERROIT MIERT		TOTAL COS	T IN THOUS	SANDS OF I	DOLLARS	ļ								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SX008 SX019	PHOTO EQUIPMENT UNDER \$100K DIGITAL COLOR PRINTER	A A	301 268			10			3			31			0
SX020 SX021 SX050	DIGITAL PHOTO LAB WORKSTATION DIGITAL SLR COLOR CAMERA MISC SMALL EQUIP & ECPS (PREVIOUS \$4019 OF Y3S4) *	A A A	3,726 1,728		140 27	280	2	140 26	280	3 2	142 26	427	3 2	144 26	433 53 147
SX100 SX830	DIGITAL CAMERA RECEIVING STATION (PREVIOUS \$4100 OF Y3\$4) * PRODUCTION ENGINEERING &	A	639			69			41	4	165	660 59	4	168	671 48
SX900	LOGISTICS SUPPORT INSTALLATION (NON-FMP) VARIOUS OTHER COSTS, FY 97 & PRIOR OTHER PHOTOGRAPHIC EQUIPMENT**		2,934 58,442			149			213			327			330
	OTTENTION OF THE ENGINEERY		30,772												
	* Effective FY 2000, funding previously identifi ** The amount identified against this cost elements.												7 and beyond		
	Note: Totals may be off due to rounding														
			68,038			778			615			1,676			1,682

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 131 PAGE NO. 4

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) Weapon System A. DATE February 2000 C. P-1 ITEM NOMENCLATURE B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX **BA 3 - AVIATION SUPPORT EQUIPMENT** DATE OF SPECS DATE CONTRACT Cost Element/ QUANTITY UNIT LOCATION RFP ISSUE METHOD CONTRACTOR AWARD **FIRST AVAILABLE** REVISIONS FISCAL YEAR COST OF PCO & TYPE AND LOCATION DATE **DELIVERY** NOW **AVAILABLE** DATE (000)DIGITAL PHOTO LAB WORKSTATION SX020/FY 1998 140.0 NRAD, Philadelphia C/MIPR/FP 2 Apr-98 Various Jun-98 Sep-98 YES N/A SX020/FY 1999 2 NRAD, Philadelphia C/MIPR/FP YES 140.0 Apr-99 Various Jun-99 Sep-99 N/A NRAD, Philadelphia SX020/FY 2000 3 142.0 Apr-00 C/MIPR/FP Various Jun-00 Sep-00 YES N/A SX020/FY 2001 3 144.0 NRAD, Philadelphia Apr-01 C/MIPR/FP Various Jun-01 YES Sep-01 N/A DIGITAL SLR COLOR **CAMERA** SX019/FY 1998 NRAD, Philadelphia C/MIPR/FP 10 27.0 Apr-98 Eastman Kodak, Rochester Jun-98 Sep-98 YES N/A SX019/FY 1999 3 NRAD, Philadelphia C/MIPR/FP Eastman Kodak, Rochester Sep-99 YES 26.0 Apr-99 Jun-99 N/A 2 NRAD, Philadelphia SX019/FY 2000 26.0 Apr-00 C/MIPR/FP Eastman Kodak, Rochester Jun-00 Sep-00 YES N/A SX019/FY 2001 2 NRAD, Philadelphia C/MIPR/FP Eastman Kodak, Rochester Jun-01 YES 26.0 Apr-01 Sep-01 N/A DIGITAL CAMERA RECEIVING STATION SX100/FY 2000 SPAWAR Det., Phil YES 4 165.0 Apr-00 C/MIPR/FP Various Jun-00 Sep-00 N/A SX100/FY 2001 168.0 SPAWAR Det., Phil Apr-01 C/MIPR/FP Various Jun-01 Sep-01 YES N/A

D. REMARKS

Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 131 PAGE NO.5 Classification:

FY 2001 DEPARTMENT OF TH	tal Photo Lab Workstation Various N/A tal SLR Color Camera Eastman Kodak, Rochester N/A al Camera Receiving Station Various N/A N/A ITEM / MANUFACTURER F S Q D B 1997															Da	ite	: F	eb	20	00									
			RT E	QUIPI	MENT								Wea	apon	Sys	stem					OME OTO					IP -	Y35	X		
							Proc	lucti	ion F	Rate					Pro	curem	en	t Lea	adtin	nes										
ltem	ı				n	MS	SR	1-8	3-5	M	AX		T Pi			T Afte Oct 1	er		nitial g PL			eord g Pl			Tota	ı			nit of	
Digital Photo Lab Workstation	Vario	us						N/A								9			3			3			12			EΑ		
Digital SLR Color Camera	Eastm	nan Ko	dak, R	ochest	er			N/A								9			3			3			12			EΑ		
Digital Camera Receiving Station	Vario	us				N,	/A	N	/A	N.	/A					9 mo	S		3 m	os		3 m	IOS		12	mos		EΑ		
TEM (MANUE) OT UDED											FISC	CAL \									FI	ISC/		EAR						
TIEM / MANUFACTURER		V T E A O N D J F N C Y L L C O E A E /														1998	_	_ 1			. 1				1	AR 1		т.		В
											M A R	A P R	M A Y	J U N	J J	U	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A L
Digital Photo Lab Workstation	98	N	2	0	2									Α			2													0
Digital Photo Lab Workstation	99	N	2	0	2																					Α			2	0
Digital SLR Color Camera	98	N	10	0	10									Α			10											-		0
Digital SLR Color Camera	99	N	3	0	3									^			10									Α		+-	3	0
3																														
																												₩		
																												+	+	
									F	FISC	AI Y	EAR	200	0			Ŧ				FI	ISC/	AI Y	EAR	200)1			_	
ITEM / MANUFACTURER	F	s	Q	D	В		1999	9							YEA	R 200	00									EAR	200	1		
	Υ	V	Т	Ε	Α	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	Ν	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L		E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
Digital Photo Lab Workstation	00	N	3	0	3									Α			3													0
Digital Photo Lab Workstation	01	N	3	0	3																					Α			3	0
Digital SLR Color Camera	00	N	2	0	2									Α			2											 	\sqcup	0
Digital SLR Color Camera	01	N	2	0	2									^												Α			2	0
Digital Camera Receiving Station	00	N	4	0	4									Α			4											\vdash	\vdash	0
Digital Camera Receiving Station	01	N	4	0	4																					Α			4	0
Remarks:																														

Remarks

Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311 / 244 PAGE 6 Exhibit P-21 Production Schedule

CLASSIFICATION: UNCLASSIFIED																							
РЗА		INDIVID	UAL N	ODIFIC	ATION	I																	
MODELS OF SYSTEM AFFECTED:	CVs, CVN	ls					TYPE	E MODIF	FICATION	ON:				-				IFICATIO	N TI	TLE:	Digital	Photo La	ab (Phase II)
DESCRIPTION/JUSTIFICATION:																							
This procurement funds the equipment and in	nstallation t	o transitio	n CV/	CVN Pho	oto Lal	o from tr	adition	al "wet"	film to	digital im	agery.												
DEVELOPMENT STATUS/MAJOR DEVELO		LESTONI	,	Phase I o		ted FY 9		′ 2000	FV	′ 2001	FV	2002	F\	- 7 2003	F۷	2004	F∨	′ 2005		<u>TC</u>	тс	OTAL	
	QTY	\$	QTY		QTY		QTY		QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		i
FINANCIAL PLAN (IN THOUSANDS)																							Ì
RDT&E																							Ì
PROCUREMENT																							ì
INSTALLATION KITS	27	3.726	2	0.280	2	0.280	3	0.427	3	0.433	3	0.437	3	0.447	3	0.456	3	0.466	5	0.790	54	7.742	ì
INSTALLATION KITS - UNIT COST		0.138		0.140		0.140		0.142		0.144		0.146		0.149		0.152		0.155		0.158		0.143	ì
INSTALLATION KITS NONRECURRING																							Ī

0.891

0.048

3 0.330

1.702

Note: Totals may be off due to rounding.

INTERIM CONTRACTOR SUPPORT

EQUIPMENT NONRECURRING ENGINEERING CHANGE ORDERS

60.739

0.639

2.934

68.038

2

27

0.280

0.069

0.149

0.778

0.084

0.041

2 0.213

0.618

0.871

0.059

3 0.327

1.684

TRAINING EQUIPMENT SUPPORT EQUIPMENT

FIELD ACTIVITY SUPPORT

TOTAL PROCUREMENT

EQUIPMENT

DATA

OTHER OTHER

INSTALL COST

ITEM 131 PAGE 7 CLASSIFICATION: UNCLASSIFIED

3

0.982

0.072

0.344

1.864

5

8.447

0.243

0.572

10.052

54

75.087

1.366

5.878

90.073

0.957

0.070

3 0.340

1.823

0.925

0.066

0.336

1.774

3

0.911

0.059

1.740

3 0.333

P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION (C	Continue	d)													
MODELS OF SYSTEMS AFFE	CTE): <u>CV</u> :	s, CVN	ls, CNET	, PNCLA			_			TLE:	Digital P	hoto La	ab (Phase	e II)						_			
							D	ate: Fe	b 200	00														
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT		Depot Fie	eld Tea	ım			_																	
ADMINISTRATIVE LEADTIME			9 M	lonths						LEADTI	ME:		3 Mc	nths	_									
CONTRACT DATES:	FY '	1999:	Jun	e 99				FY 2000	:	June 00														
DELIVERY DATE:	FY '	1999:	Sep	99				FY 2000	:	Sep 00														
_							_			(\$ in N		,	_											
Cost:	0.		Years			Y 1998		Y 1999		2000		Y 2001		2002		2003		Y 2004		/ 2005		omplete		Total
PRIOR YEARS	Qty 27	\$ 2.934	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty 27	\$ 2.934
FY 1998 EQUIPMENT	21	2.934	-		2	.149																	2/	.149
FY 1999 EQUIPMENT						.149	2	.213	1														2	.213
FY 2000 EQUIPMENT								.213	3	.327													3	.327
FY 2001 EQUIPMENT										.021	3	.330											3	.330
FY 2002 EQUIPMENT												.000	3	.333									3	.333
FY 2003 EQUIPMENT													<u> </u>	.000	3	.336							3	.336
FY 2004 EQUIPMENT																	3	.340					3	.340
FY 2005 EQUIPMENT																			3	.344			3	.344
TO COMPLETE																					5	0.572	5	0.572
INSTALLATION SCHEDUL FY 1998 & Prior In 29 Out 29		FY 1999 2 3 0 0 0 0	4	0	Y 2000 2 3 0 0	4 1 3 0 0	0	2001 3 4 0 3 0 3	1 0 0	FY 2002 2 3 0 0 0 0	4	1 2 0 0 0 0	2003 3 0 0	4 1 3 0 3 0	FY 2 2 0 0	2004 3 4 0 3 0 3	1 0 0	FY 2005 2 3 0 0 0 0	4 3 3	TC 5 5 5 5	TO ⁻ 5 5	4		
																					·			

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	ents Study		APF	PROPRIATION/BU	DGET ACTIVIT	<i>(</i>	DAT	E:	
			Oth	er Procuremen	t, Navy/Aviati			February	2000
P-1 ITEM NOMENCLATURI	E		Admin Lea	adtime (after Oct1)	:	Prod	Leadtime :		
OTHER PHOTOGRAPHIC EQ	UIPMENT - Y3SX		9 m	ios			3 mos		
Digital Photo Lab Worksta	ation	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		2	2	3	3	3	3	3	3
Unit Cost		140	140	145	150	151	152	153	154
Total Cost		280	280	435	450	453	456	459	462
Asset Dynamics				1.55				1.55	
Beginning Asset Position		27	29	31	34	37	40	43	46
Deliveries from all prior year	fundina	2	0	0	0	0	0	0	0
Deliveries from FY 1999 fund		0	2	0	0	0	0	0	0
Deliveries from FY 2000 fund		0	0	3	0	0	0	0	0
Deliveries from FY 2001 fund	ding	0	0	0	3	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	3	3	3	3
Other Gains	<u> </u>	0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attriti		0	0	0	0	0	0	0	0
End of Year Asset Position		29	31	34	37	40	43	46	49
Inventory Objective or Curre		54	54	54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment	:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
	FY 1995:	FY 1995:		FY 1995:				Inactive Inv: Storage:	
Other: 54 TOTAL:									

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Exhibit P-20, Requireme	ents Study			PROPRIATION/BUD	-			TE:	
				ner Procurement,	Navy/Aviation	Support Equipn	nent	February	2000
P-1 ITEM NOMENCLATURI	E		Admin Le	eadtime (after Oct1):		Prod	Leadtime :		
OTHER PHOTOGRAPHIC EQ	UIPMENT - Y3SX	1	9 n	nos	ı		3 mos	ı	
Digital SLR Color Camera		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		10	3	2	2	2	2	2	2
Unit Cost		27	26	24	24	24	19	19	19
Total Cost		270	78	48	48	48	38	38	38
Asset Dynamics									
Beginning Asset Position		64	63	55	46	42	38	34	30
Deliveries from all prior year	fundina	10	0	0	0	0	0	0	0
Deliveries from FY 1999 fund		0	3	0	0	0	0	0	0
Deliveries from FY 2000 fund	ding	0	0	2	0	0	0	0	0
Deliveries from FY 2001 fund	ding	0	0	0	2	0	0	0	0
Deliveries from subsequent	years' funding	0 0		0	0	2	2	2	2
Other Gains	-	0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attriti		11	11	11	6	6	6	6	2
End of Year Asset Position		63	55	46	42	38	34	30	30
Inventory Objective or Curre	nt Authorized Allowance	108	108	108	108	108	108	108	108
Inventory Objective	Actual Training	Other than Trainin	g	Disposals		Vehicles Eligible	for	Aircraft:	
108	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 108	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

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Attrition based on historical average.

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Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	IDGET ACTIVIT	Y - 3	D	ATE:	
				CRAFT PROCURE	<u> </u>			February 2	2000
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1)):	Prod	Leadtime :		
OTHER PHOTOGRAPHIC EQ	QUIPMENT - Y3SX		9 n	nos			3 mos		
Divital Comova Bassining	Ctation	EV 4000	EV 4000	EV 2000	EV 2004	EV 2002	EV 2002	EV 2004	EV 2005
Digital Camera Receiving	Station	FY 1998	FY 1999 0	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		0		-	-	7	•	4	4
Unit Cost		0	0	165	170	175	180	185	190
Total Cost		0	0	660	680	700	720	740	760
Asset Dynamics									
Beginning Asset Position		0	0	9	13	17	21	25	29
Deliveries from all prior year		0	0	0	0	0	0	0	0
Deliveries from FY 1999 fun	. 3	0	0	0	0	0	0	0	0
Deliveries from FY 2000 fun	0	0	0	4	0	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	4	4	4	4	4
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit		0	0	0	0	0	0	0	0
End of Year Asset Positio	n	0	0	13	17	21	25	29	33
Inventory Objective or Curre	ent Authorized Allowance	0	0	54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment	:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:								-	
Effective FY 2000, funding previous	ously identified under the REWSON	Photographic Equipment lin	e (BLI 425600) tra	nsitions to this line iten	n for consolidation	purposes.			
Inventory objective of 54 equ	uals:								

Inventory objective of 54 equals:

Four digital base stations per ship (4*12=48) 48 Two digital base stations each for three shore activities (2*3=6)

<u>6</u> 54

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		BUI	OGET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40						FE	BRUARY 20)00
APPROPRIATION/BL	JDGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE				
OTHER PROCUE	REMENT, N	IAVY	424400					AVIATION	ON LIFE SU	IPPORT SY	'STEMS	
Program Element for (Code B Items:						Other Related	Program Elem	ients			
BA 3 AVIATION 9	SUPPORT	EQUIPI	MENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST (In Millions)	\$129.0		\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

NEW SURVIVAL RADIO - SY030

- Non-developmental acquisition to replace the PRC-90 and PRC-90-2 with a state of the art survival radio. This will be a non-combat radio to complement the PQR-7 (Combat Survivor Evader Locator (CSEL) radio. Historically, the Navy has used the PRC-90 to complement the PRC-112, which the PQR-7 will replace. Major off the shelf technology insertion will be the addition of Cosmicheskaya Systema Poiska Avariynyich (COSPAS) Search and Rescue Statellite Aided Tracking (SARSAT) 460 MHZ capability. The location of downed aircrew will now be known within 100 meters and 20 minutes of radio beacon activation thereby greatly reducing time to recover downed aircrew and increasing their probability of safe recovery. This purchase also includes a beacon which replaces the antiquated URT-33 ejection seat beacon used to signal when an aircrew has ejected from the aircraft and an adapter which, replaces the PRC-125, satisfying the peculiar mission of the in water rescue swimmer.

PRC-112 UPGRADES - SY048

- Program to fix water intrusion and frequency problems in the basic PRC-112 radio. The following items were changed: (1) replaced the back cover gasket and resurfaced the mating area to ensure good gasket seal; (2) Replaced the current on/off knob with a smaller knob to ameliorate the reported problem of inadvertent radio activation and battery depletion; (3) installation of a resistor to correct 121.5 MHz frequency hopping; and (4) final functional test to ensure RFI prior to fleet return. The Radios that complete this program are re-identified as PRC-112C.

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		BUI	OGET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40					•	FEBRUA	ARY 2000	
APPROPRIATION/BU	DGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE	Ī			
OTHER PROCUR	EMENT, N	IAVY	424400					AVIATION	ON LIFE SU	IPPORT SY	STEMS	
Program Element for C	ode B Items:						Other Related	Program Elem	ents			
BA 3 AVIATION S	UPPORT	EQUIPI	MENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060

- The Combat Survivor Evader Locator (CSEL) Radio system provides U.S. forces with secure, encrypted, low probability of detection, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-site voice and beacon capability to support survival, evasion, and personnel recovery operations. This is a joint Program with the Air Force as lead. The CSEL system is composed of a battery operated hand held radio (HHR) (AN/PQR-7), a radio set adapter (RSA) (J-6431/PQR-7, a GPS antenna and coupler, and a laptop CPU with software for loading the HHR. The HHR will weigh 30.7 ounces and can be of comparable size to other SATCOM radios (8x3.5x1.75"). CSEL will require a key fill device and will have improved jam and spoofing resistance by incorporating the next-generation GPS Selective Availability Anti-Spoofing Module (SAASM).

LASER EYE PROTECTION (LEPIP) -SY080

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-Laser Eye Protection Improvement Program (LEPIP) EDU-5/P Spectacles. This is a USN/USMC Abbreviated Acquisition Program (AAP). The EDU-5/P spectacles are designed to provide day and night multiple wavelength, low energy protection for fixed and rotary wing aircrew in a fixed, multi-wavelength laser threat environment. The spectacles are designed to cause minimal visual and physical encumbrance, and be compatible with current Navy Aviation Life Support Equipment (ALSE), aircraft visual displays and night vision systems. The EDU-5/P spectacles will replace the currently available FV2 laser spectacles which have performance limitations which include 1) day use only, 2) significant color perception distortion of the cockpit display or scene being viewed, 3) incompatibility with Chemical Biological Radiological (CBR) protective assembly, 4) incompatibility with night vision goggles (NVGs), 5) significant reduction of cockpit displays light levels, and 6) hot spot discomfort around the ears from the temple arms. In addition, the EDU-5/P spectacles provide seven (7) wavelength protection as opposed to five (5) wavelength protection provided by the FV2 spectacles. Congress gave us additional funding for FY01 & FY02 for the Reduction in Total Ownership Cost (R-TOC) for hard coating of the lenses. -This Smart Work initiative involves replacing existing hard (scratch resistant) lens coating with one being developed by Triton Systems, Inc. Triton is a Small Business Innovative Research (SBIR) contractor that is developing an improved abrasion/scratch resistant and anti-reflective protective lens coating. The expectation is that service life can be increased at least four years for both the spectacles and the visors. Savings/cost avoidance will be realized through procuring fewer replacements and extending the service life of the laser protection spectacles and visors. The effect on readiness will be performance enhancement. The scratch resistant and glare reduced lenses will improve the vision of the pilot inside and outs

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		BUI	OGET ITEM	JUSTIFIC/	ATION SHE	ET			DATE:			
				P-40						FEBRUA	NRY 2000	
APPROPRIATION/BU	DGET ACTIV	ΊΤΥ					P-1 ITEM NO	MENCLATURE	Ė			
OTHER PROCUR	REMENT, N	IAVY	424400					AVIATI	ON LIFE SU	IPPORT SY	STEMS	
Program Element for C	Code B Items:						Other Related	Program Elem	nents			
BA 3 AVIATION S	SUPPORT	EQUIP I	MENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPV) - SY085

-Joint Service Aircrew Low Energy Multiple Wavelength Advanced Laser Eye Protection Visor (JALEPV) Program. The JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems.

HELICOPTER EMERGENCY EGRESS DEVICE P3 (HEEDS P31) - SY110

-HEEDS is a compact, lightweight breathing assembly intended for emergency use of helicopter and E-2C aircrew personnel in the event of a crash landing over water. It will aid in the safe egress of the aircrew member from a submerged aircraft. The Helicopter Aircrew Breathing Device (HABD), is a self contained 3000 psi cylinder breathing device, and a P3I effort to the HEED Program; HABD provides 1-3 minutes of breathing air for use in an emergency aircraft submergency situation.

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						FEBRUA	RY 2000	
APPROPRIATION/E	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCU	REMENT, NA	VY	424400					AVIATI	ON LIFE SU	PPORT SYS	STEMS	
Program Element for	r Code B Items:						Other Related	Program Elem	ents			
BA 3 AVIATION	SUPPORT E	QUIPME	NT									
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120

-An optimized vest/armor system with modular stowage capability for the mission specific requirements of combat helicopter aircrews. Its successor is the Protective Assembly, Aircrew Survival Armor, which is a Tri-Service program designed to be a P3I effort to the AISAP, Survival Armor Vest Improvement Program (SARVIP) and Aircrew Integrated Recovery Survival Armor Vest and Equipment (AIRSAVE) survival vests presently in our aircraft communities. The Protective Assembly, Aircrew Survival Armor consists of a Survival Vest (Type I or II), Small Arms Protective Soft Body Armor, Small Arms Protective Hard Body Armor and specific Life Perserver assemblies; system designed to protect the wearer from small arms fire and fragmentation, including high velocity shrapnel from anti-aircraft rounds. It is made of fire retardant treated nylon Raschel mesh and nylon webbing and Aramid (Nomex) binding tape. Includes an easily removable hoisting harness. The soft body armor provides Level IIIA ballistic protection while the hard body armor gives Level IV ballistic protection.

PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS) - SY130

-PATSS is a yoke type preserver assembly which includes the following survival items: sea-dye marker, whistle and chemlight, stowed in an attached survival pouch. This preserver is authorized for use by passengers and troops in a helicopter or transport type aircraft for sea survival situations. PATSS provides superior buoyancy and auto-rotational characteristics. The PATSS also has improved donning/doffing capabilities, which eliminate the requirement to remove the helmet or eyewear, and increased duplicity and redundancy in the design for the zipper, dual cell bladder and oral inflation tubes.

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		BUI	OGET ITEM	JUSTIFICA	ATION SHE	ET			DATE:			
				P-40						FEBRU <i>A</i>	RY 2000	
APPROPRIATION/BU	JDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	Ē			
OTHER PROCUI	REMENT, N	IAVY	42440	0				AVIATION	ON LIFE SU	JPPORT SY	STEMS	
Program Element for	Code B Items:						Other Related	Program Elem	ents			
BA 3 AVIATION	SUPPORT	EQUIPI	MENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS) NDI - SY140

- PAESS is a constant wear emergency flotation platform, which will be used to protect non-aircrew personnel being transported as passengers in Carrier on Board Delivery/Vertical on Board Delivery (COD/VOD) aircraft, to, from and between ships at sea. This system will increase the survivability of these passengers by fulfilling such requirements as providing protection from hypothermia, being easily donned and doffed, and capable of underwater egress. This is a new Non-Developmental Item Purchase.

AVIATION RESCUE SWIMMERS' DRY SUIT (ARSD) PROGRAM - SY155

-The Aviation Rescue Swimmers' Dry Suit Program (ARSD) is a non developmental acquisition program, designed to provide the Aviation Rescue Swimmers constant wear, dry suit anti-exposure system, which is capable of: (1) providing protection to the wearer from adverse environment and physiological factors, (2) being compatible with existing survival equipment, and (3) being worn while the aircrew performs collateral duties (vertical replenishments, passenger transfers).

NAVY COMBAT EDGE [NCE] - SY-170

- The NCE is an integrated aircrew flight ensemble designed to increase aircrew protection from the physiological hazards associated with high positive acceleration (+G) forces. During exposure to +G acceleration, blood pooling occurs in the lower portions of the body depriving the brain of an adequate supply of oxygenated blood and causing a loss of vision followed by loss of consciousness. The NCE provides enhanced acceleration protection through the use of Assisted Positive Pressure Breathing (APPB), a counter pressure vest and an anti-G-garment. The NCE system consists of several individual components (HGU-87/P helmet and KMU-561 modification kit; MBU-24/P oxygen mask; CSU-21/P counter pressure vest; CRU-103/PG compression oxygen breathing regulator; CSU-120/P lower anti -G garment; and Anti-G valve).

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		BU	DGET ITEM	JUSTIFICA	TION SHEET	Ī			DATE:			
				P-40						FEBRUA	RY 2000	
APPROPRIATION/B	SUDGET ACTIVI	TY					P-1 ITEM NON	MENCLATURE				
OTHER PROCUI	REMENT, NA	VY 4	24400					AVIAT	ON LIFE SU	PPORT SYS	STEMS	
Program Element for	Code B Items:						Other Related	Program Elem	ents			
BA 3 AVIATION 9	SUPPORT EC	UIPME	NT									
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

NIGHT VISION DEVICES (NVD) TACTICAL - SY210

-These Night Vision Devices (NVD) provides U.S. Navy personel with a helmet-mounted night vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operational limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism, objective lens with a leaky green filter that enables fixed wing aviators to view heads-up displays (HUD) while wearing the system, and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting, and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

NIGHT VISION GOGGLES (NVG) SUPPORT EQUIPMENT - SY211

-This Night Vision Goggle support equipment for the TACAIR platforms, for Intermediate level maintenance.

NIGHT VISION GOGGLES (NVG), ROTARY -SY 212

- This Night Vision Goggles (NVG) provides U.S. Navy rotary wing personnel with a helmet-mounted vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operating limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

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		BU	DGET ITEM	JUSTIFICA [*]	TION SHEET	Γ			DATE:				
				P-40						FEBRUA	RY 2000		
APPROPRIATION/BUDG	GET ACTIVI	TY					P-1 ITEM NON	//ENCLATURE					
OTHER PROCURE	MENT, NA	VY 4	24400					AVIATI	ON LIFE SU	PPORT SYS	TEMS		
Program Element for Cod	de B Items:						Other Related Program Elements						
BA 3 AVIATION SUF	PPORT EC	UIPME	NT										
	Prior	ID									То		
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total	
QUANTITY													
COST					•			•			_		
(In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.	

LOW PROFILE FLOTATION COLLAR (LPFC) - SY220

- The LPU-33/P and the LPU-34/P (LPFC) are the replacements for the LPU-21/23/P Life Preservers. The LPU-33/34 consists of multiple components compactly packed into an exterior cover assembly. The flotation assembly consists of two independent inflatable bladders that when inflated provide 65 pounds of buoyancy. The LPU-33/P utilizes two FLU-8B/P automatic/manual inflation assemblies, one for each bladder. The LPU-34/P utilizes two manual inflation assemblies. The packed assembly is worn around the users neck and rests on his upper chest. This configuration is light weight and compact and allows pockets for survival items to be mounted where the LPU-21/23 waist lobes used to be.

MA-16 INERTIA REEL - SY300

- The MA-16 is a multi-directional locking reel that automatically reacts to airframe deceleration from either one or all axis simultaneously. The MA-16 also features a strap acceleration-locking feature and incorporates a lock/unlock handle assembly. The MA-16 was dynamically tested to 10 years service life, utilizes an identical footprint and profiles to nearly all its predecessors and is the only available inertial reel that is compliant to MIL-R-8236, Revision F.

P-1 SHOPPING LIST

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CLASSIFICATION:

UNCLASSIFIED

	BUDGE	T ITEM JU	STIFICATION	SHEET FO	R AGGREG	ATED ITEMS	3		DATE:			
				P-40a						FEBRUA	RY 2000	
APPROPRIATION/BUDGE	T ACTIVIT	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUREME	ENT, NA	VY, BA 3 A	VIATION SUF	PORT EQU	IPMENT			AVIATION	LIFE SUPP	ORT SYSTE	MS 43SY	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
NEW SURVIVAL RADIO	Α											
TOTAL COST (\$K)		0	3,026	1,971	4,181	7,811	8,719	0	0	0	13917	39625
QUANTITY		0	46	680	2200	4300	4920	0	0	0	7854	20000
PRC-112 UPGRADES	А											
TOTAL COST (\$K)		200	515	0	498	498	304	0	0	0	0	2015
QUANTITY		800	1952	0	728	728	444	0	0	0	0	4652
C-SEL	В											
TOTAL COST (\$K)		0	0	0	0	3,157	2,965	16,402	18,890	20,483	3146	65043
QUANTITY		0	0	0	0	200	260	2445	2736	2936	451	9028
LASER EYE PROTECT. *	Α											
TOTAL COST (\$K)	,,	331	0	2,051	1,838	930	1170	0	0	0	0	6320
QUANTITY		320	0	1920	2060	0	0	0	0	0	0	4300
JALEPV	В											
TOTAL COST (\$K)		0	0	0	612	1048	1048	1048	1048	1048	262	6114
QUANTITY		0	0	0	350	600	600	600	600	600	150	3500
HEED P3I	Α											
TOTAL COST (\$K)		2,429	0	690	0	0	0	0	0	0	0	3119
QUANTITY		6000	0	2000	0	0	0	0	0	0	0	8000
AISAP (BODY ARMOR)	Α											
TOTAL COST (\$K)		2,390	1,138	463	571	185	390	0	0	0	0	5137
QUANTITY		1550	758	450	439	142	300	0	0	0	0	3639
PATSS	A											
TOTAL COST (\$K)		914	0	539	0	0	0	0	0	0	0	1453
QUANTITY		5483	0	3053	0	0	0	0	0	0	0	8536
PAESS (NDI)	A											
TOTAL COST (\$K)		0	0	0	544	580	580	526	526	0	0	2756
QUANTITY		0	0	0	750	800	800	725	725	0	0	3800
* Laser Eye Protection in	 ncludes R-	TOC. The fu	 nding in FY01 a	Ind FY02 is a 1	 FOC intiative th	at will be for	hard coating o	l f lens,				
•			dditional quanti					·				
			1									
D F 0454 IIIN 00				ITEMANO		BAGENIO						

DD Form 2454, JUN 86 ITEM NO. 132 PAGE NO. 8 OF 40

		BUDGET ITE	M JUSTIFICATION	ON SHEET FOR	AGGREGATE	ITEMS			DATE:			
				P-40a						FEBRU <i>A</i>	ARY 2000	
APPROPRIATION/BUDGE	T ACTIVIT	ΓΥ					P-1 ITEM NOM	ENCLATURE				
OTHER PROCUREMENT,	NAVY. BA	A 3 AVIATION S	UPPORT EQUI	PMENT				AVIAT	ION LIFE SUPP	ORT SYSTEMS	3 43SY	
,	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
SWIMMERS DRY SUIT	Α											
TOTAL COST (\$K)		33	0	0	49	65	65	49	0	0	0	261
QUANTITY		51	0	0	75	100	100	74	0	0	0	400
NAVY COMBAT EDGE	Α											
TOTAL COST (\$K)		1,261	1,417	1,206	1,550	1,002	0	0	0	0	0	6436
QUANTITY		0	330	303	409	246	0	0	0	0	0	1288
NVD (TACTICAL)	A											
TOTAL COST (\$K)	- '	2,065	1564	4,342	1,264	0	0	0	0	0	0	9235
QUANTITY		226	234	670	195	0	0	0	0	0	0	1325
NVG SUPPORT EQUIP	A											
TOTAL COST (\$K)		0	0	1,576	0	0	0	0	0	0	0	1576
QUANTITY		0	0	65	0	0	0	0	0	0	0	65
NVG (ROTARY) *	В											
TOTAL COST (\$K)		0	0	3,737	14,292	3,094	3,031	2,933	4,837	4,214	1,575	37713
QUANTITY		0	0	575	2045	442	433	419	691	602	225	5432
LOW PROFILE	Α											
FLOTATION COLLAR												
TOTAL COST (\$K)		752	356	1,440	1,841	0	0	0	0	0	0	4389
QUANTITY		2305	1067	4126	4602	0	0	0	0	0	0	12100
MA-16 INERTIA REEL	В											
TOTAL COST (\$K)		0	0	0	6,000	0	0	0	0	0	0	6000
QUANTITY		0	0	0	5700	0	0	0	0	0	0	5700
	-											
OTHER COSTS	1	103,303										
PRODUCTION SUPPORT		15,382	2,252	4,281	2,984	1,844	2,618	1,941	977	1,052	cont.	cont.
TEST AND EVALUATION		0	0	410	361	160	165	115	0	0	cont.	cont.
TOTAL FUNDING		129,060	10,268	22,706	36,847	20,374	21,055	23,014	26,278	26,797	cont.	cont.

^{*} Includes the Congressional plus up in FY00

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86

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UNCLASSIFIED

	WEAPONS SYSTEM CO	ST AN	ALYSIS			Weapon Sy	stem						DATE:	FERRII	ARY 2000
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCI ATI	IRE/SURHE	VD				FLBRU	4N 1 2000
	Procurement, Navy					ID Code	I - I II LIVI INC	MILINOLATI	JIKE/OODI IE/	10					
	/IATION SUPPORT EQUIPMENT						AVIATION	I IEE SI IE	DODT SVS	TEME 12	ev				
DA 3 A	VIATION SUFFORT EQUIPMENT	1					AVIATION	LIFE 30F	PORT 313	I EIVIO 43	31				
			TOTAL COS	I IN THOUS	SANDS OF L	OOLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 1998		I	FY 1999			FY 2000		1	FY 2001	
CODE	ELEMENT OF COST	Code	Years		1 1 1330			1 1 1333			1 1 2000			1 1 2001	
0022		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SY030	NEW SURVIVAL RADIO	Α	0	46	65,782	3,026	680	2,898	1,971	2,200	1,900	4,181	4,300	1,816	7,811
	PRC-112 UPGRADES	A	200	1,952	263	515	000	2,030	0	728	684	498	728	684	498
	CSEL	В	0	0	0	0	0	0	0	0	0	0	200	15,785	3,157
	LASER EYE PROTECTION *	A	331	0	0	0	1,920	1,068	2,051	2,060	892	1,838	0	0	930
SY085	JALEPV	В	0	0	0	0	0	0	0	350	1,748	612	600	1,746	1,048
SY110	HEEDS	Α	2,429	0	0	0	2,000	345	690	0	0	0	0	0	0
	AISAP (BODY ARMOR)	Α	2,390	758	1,501	1,138	450	1,028	463	439	1,300	571	142	1,302	185
	PATSS	Α	914	0	0	0	3,053	176	539	0	0	0	0	0	0
	PAESS (NDI)	В	0	0	0	0	0	0	0	750	725	544	800	725	580
	RESCUE SWIMMERS' DRY SUIT	В	33	0	0	0	0	0	0	75	653	49	100	650	65
	NAVY COMBAT EDGE (NCE)	Α	1,261	330	4,293	1,417	303	3,980	1,206	409	3,789	1,550	246	4,073	1,002
	NIGHT VISION DEVICES (TACTICAL)	Α	2065	234	6,683	1,564	670	6,480	4,342		6,482		0	0	_
	NIGHT VISION SUPPORT EQUIPMENT	В	0	0	0	0	65	24,246	1,576		0		0	0	
	NIGHT VISION GOGGLES (ROTARY) **	Α	0	0	0	0	575	6,499	3,737	2,045	6,989	,		,	,
	LOW PROFILE FLOTATION COLLAR	A	752	1067	333	356	,		1,440	,		, -			0
SY300	MA-16 INERTIA REEL	В	0	0	0	0	0	0	0	5,700	1,052	6,000	0	0	0
SY830	PRODUCTION SUPPORT SERVICES		15,382			2,252			4,281			3,246			1,844
SY860	TEST AND EVALUATION		0			0			410			361			160
	OTHER COSTS		103,303												
	* SY080 - Includes R-TOC. Funding in FY0			hat will be f	or hard coa	ting of the le	i ens, no additi	onal quanti	l es will be pro	ocured.					
	** SY212 - Includes the Congressional Plus	-Up in F	Y00 												
			129,060			10,268			22,706			36,847	1		20,374

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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CLASSIFICATION:

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BUDGET PROCUREM	ENT HIST	ORY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
								F	EBRUARY 2	2000
B. APPROPRIATION/BUDGET	ACTIVITY			C.	P-1 ITEM NOMENCL	ATURE			SUBHEAD	
Other Procurement, N	avy								43	SY
BA 3 AVIATION SUPP	ORT EQUI	PMENT			AVIATION LI	IFE SUPPORT SYSTEMS	S			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY030 NEW SURVIVAL RADIO		(000)								
FY-1998	46	65.78	NAVAIR	10/97	FFP	TADIRAN SPECTRALINK	6/98	12/98	YES	N/A
FY-1999	680	2.89	NAVAIR	N/A	OPTION	HOLON, ISRAEL	9/99	6/00	YES	N/A
FY-2000	2200	1.9	NAVAIR	N/A	OPTION		12/99	8/00	YES	N/A
FY-2001	4300	1.81	NAVAIR	N/A	OPTION		11/00	7/01	YES	N/A
SY048										
PRC-112 UPGRADES										
FY - 1998	1952	0.26	US ARMY, TOBY	N/A	MIPR	US ARMY, TOBYHANNA	04/98	04/99	YES	N/A
FY-2000	728	0.68	US ARMY, TOBY	N/A	MIPR		04/00	04/01	YES	N/A
FY-2001	728	0.68	US ARMY, TOBY	N/A	MIPR		04/01	04/02	YES	N/A
SY060										
COMBAT SURVIVOR										
EVADER LOCATOR			/ /							
FY-2001	200	15.78	AFMS/SMC LAAFB	N/A	OPTION	BOEING NORTH AMERICAN, ANAHEIM, CA	12/01	3/02	YES	N/A
SY080										
LASER EYE PROTECTION										
FY-1999	1920	1.06	NAVAIR	N/A	OPTION	KAISER	5/99	01/00	YES	N/A
FY-2000	2060	0.89	NAVAIR	N/A	OPTION	ANN ARBOR, MI	5/00	01/01	YES	N/A
FY-2001 R-TOC	0	0	NAVAIR	N/A	OPTION		5/01	01/02	YES	N/A
SY085										
JALEPV										
FY-2000	350	1.74	NAVAIR	N/A	CPFF	AOTEC	5/00	7/00	YES	N/A
FY-2001	600	1.74	NAVAIR	N/A	OPTION	SOUTHBRIDGE, MASS	1/01	7/01	YES	N/A
	1		D. 4. OLI ODDINIO LIGT		1	1	Olasaitia	<u> </u>		·

Classification: P-1 SHOPPING LIST ITEM NO. 132 DD Form 2446-1, JUL 87 UNCLASSIFIED

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CLASSIFICATION:

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BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBI	Γ (P-5A)		Weapon System		A. DATE		
								F	EBRUARY 2	2000
B. APPROPRIATION/BUDGET				C.	P-1 ITEM NOMENCLA	ATURE			SUBHEAD	
Other Procurement,	•								43	SY
BA 3 AVIATION SUP	PORT EQU	IPMENT				FE SUPPORT SYSTEM	IS			
Cost Element/	QUANTITY	UNIT	LOCATION	RFP ISSUE	CONTRACT METHOD	CONTRACTOR	AWARD	DATE OF FIRST	SPECS AVAILABLE	DATE REVISIONS
FISCAL YEAR		COST (000)	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
SY110										
HEEDS										
FY-1999	2000	0.34	NAWCAD/PAX	N/A	FFP	U.S. DIVERS CO VISTA, CA	3/99	4/99	YES	N/A
SY120										
AISAP (ARMOR)										
FY-1998	758	1.5	DPSC, PHIL	02/97	C/FP	VARIOUS	12/97	07/98	YES	N/A
FY-1999	450	1.02	DPSC, PHIL	N/A	OPTION	VARIOUS	12/98	05/99	YES	N/A
FY-2000	439	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	02/00	07/00	YES	N/A
FY-2001	142	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	12/00	5/01	YES	N/A
SY130										
PATSS										
FY-1999	3053	0.17	NAVICP, PHIL	N/A	OPTION	SWITLIK TRENTON, N.J.	11/98	8/99	YES	N/A
SY140										
PAESS (NDI)										
FY-2000	750	0.72	NAWCAD/PAX	7/98	C/FP	TBD	3/00	10/00	YES	N/A
FY-2001	800	0.72	NAWCAD/PAX	N/A	OPTION	TBD	3/01	10/01	YES	N/A
SY155										
SWIMMERS DRY SUIT										
FY-2000	75	0.65	NAWCAD/PAX	N/A	C/FP	TBD	2/00	08/00	YES	N/A
FY-2001	100	0.65	NAWCAD/PAX	N/A	C/FP	TBD	12/00	06/01	YES	N/A
SY170										
NAVY COMBAT EDGE										
FY-1998	330	4.29	VARIOUS	N/A	OPTION	VARIOUS	1/98	10/98	YES	N/A
FY-1999	303	3.98	VARIOUS	N/A	OPTION	VARIOUS	1/99	10/99	YES	N/A
FY-2000	409	3.78	VARIOUS	N/A	OPTION	VARIOUS	11/99	08/00	YES	N/A
FY-2001	246	4.07	VARIOUS	N/A	OPTION	VARIOUS	11/00	08/01	YES	N/A

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UNCLASSIFIED

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CLASSIFICATION:	U	I W	UL	-/~	\mathbf{O}		l

BUDGET PROCUREME	ENT HISTOF	ry and Pi	_anning exhibit (p	-5A)		Weapon System		A. DATE		
								F	EBRUARY 2	000
B. APPROPRIATION/BUDGET	ACTIVITY			C.	P-1 ITEM NOMENCLA	TURE			SUBHEAD	
Other Procurement, Na	avy								43	SY
BA 3 AVIATION SUPPO	RT EQUIPI	MENT			AVIATION LIF	E SUPPORT SYSTEMS				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY210		(000)								
NIGHT VISION DEVICES (TACTICAL)										
FY-1998	234	6.68	NAVAIR,PAX	N/A	OPTION	ITT	12/97	6/98	YES	NA
FY-1999	670	6.48	NAVAIR,PAX	N/A	OPTION	ROANOKE, VA	12/98	6/99	YES	NA
FY-2000	195	6.48	NAVAIR,PAX	N/A	OPTION		01/00	07/00	YES	NA
SY211 NIGHT VISION GOGGLES SUPPORT EQUIPMENT FY-1999	65	24.24	NAWCAD/PAX	N/A	OMINBUS	HOFFMAN ENG, CN	11/98	01/99	YES	N/A
SY212										
NIGHT VISION GOGGLES										
(ROTARY)										
FY-1999	575	6.49	NAVAIR	5/99	C/FP	ITT, ROANOKE VA	9/99	01/00	NO	9/99
FY-2000	45	6.48	NAVAIR	N/A	OPTION	ITT, ROANOKE VA	3/00	07/00	YES	N/A
FY-2001	442	7	NAVAIR	N/A	OPTION	ITT, ROANOKE VA	3/01	07/01	YES	N/A
FY-2000 (Plus Up)	2,000	7	NAVAIR	3/00	C/FP	TBD	7/00	7/01	YES	N/A
SY220 LOW PROFILE FLOTA- TION COLLAR										
FY-1998	1067	0.33	NAWC, CL	N/A	OPTION	SEI, ASHEVILLE, N.C	11/97	6/98	YES	NA
FY-1999	4126	0.34	NAWC, CL	N/A	OPTION		11/98	6/99	YES	NA
FY-2000	4602	0.40	NAWC, CL	N/A	OPTION		2/00	9/00	YES	N/A
SY300										
MA-16 INERTIA REEL										N/A
FY-2000	5700	1.05	NAW CAD/PAX	N/A	SS/FP	H KOCH & SONS ANAHEIM, CA	4/00	09/00	YES	N/A

Classification: P-1 SHOPPING LIST ITEM NO. 132 DD Form 2446-1, JUL 87 UNCLASSIFIED

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FY 2001 BUDGET PRODUCTION			LE, P-	21														DATE	•		FE	BRL	JAR	Y 20	000					
APPROPRIATION/BUDGET ACT OTHER PROCUREMENT,													Wea	apon	Sys	tem		P-1	ITE	ΜN	OME	ENC	LAT	URI		Á	AVIA	TION	١	
							Pro	ducti	on F	Rate					Pro	cure	men	t Le	adtin	nes										
			ufactu										T Pr			T Af			Initia			eord						Uni	t of	
Item	1	Name	and Lo	ocation	1		SR	1-8		MA		to	Oct	1	(Oct 1		M	fg Pl	LT	Mf	fg Pl	LT		Tota	al		Mea	sure	è
SY030, New Survival Radio	TADIRAN	N SPECTR	RALINK/HC	LON ISR	AEL	20		400		500			1			2			6			8			8		mor	ıths		
SY048, PRC-112 Upgrades	US Arr	ny, Tob	yhanna,	PA		30		200		400			3			6			12			12			18		mor	iths		
																														_
																														_
ITEM / MANUFACTURER	F	s	Q	D	В		1997		F	ISCA	L YEA			IDAD	VEAF	1998	,					FISC		EAR		EAR 1	000			
TIEW, WATON ACTONER	Y	S V	T	E	A	0	1997 N	D	J	F	М	Α	M	J	J		S	0	N	D	J	F	М	A	M M	LAR I		Α	S	E
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	N O	U	A U G	E P	C	0	E C	A N	E B	A R	P R	A Y	N N	D D	U	E P	1
SY030, New Survival Radio/Tadiran	98	N	46	0	46									Α						46										
	99	N	680	0	680																								Α	6
SY048,PRC-112 Upgrades/Tobyhanna	98	N	1952	0	1952							Α												163	163	163	163	163	163	9
																														L
										FISC	'ΔΙ ΥΙ	EAR 2	2000									FISC	'ΔΙ Υ	EAR :	2001					F
ITEM / MANUFACTURER	F	S	Q	D	В		1999			1100	,, (L 11			IDAR	YEAR	2000)					1100				EAR 2	001	-		
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	
		С	Υ	L	L	C T	0 V	E C	A N	E B	Α	P R	A Y	U	U L	U	E P	C T	0	E C	A N	E B	A R	P R	A Y	U	U L	U	E P	
SY030, New Survival Radio/Tadiran	99	N	680	0	680	-	V	C	IN	Ь	R	K	ī	N 55	55	55	55	57	V 57		57	57	57		61	N	-	G	Г	
51000, New Guivivai Itaaio/Taaiiaii	00	N	2200	0	2200			Α						55	33				400		420		31	31	01					
	01	N	4300	0	4300														Α								359	359	359	32
SY048,PRC-112 Upgrades/Tobyhanna	98	N	1952	978	974	163	163	162	162	162	162																			
510-0,110 112 opgrades/105yriainia	00	N	728	0	728	100	100	102	102	102	102	Α												61	61	61	61	61	61	3
	01	N	728	0	728																			Α						7
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Remarks:																														

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311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

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FY 2001 BUDGET PRODUCTION	N SCI	HEDU	LE, P	-21														DATE			FEB	BRU	JAR	Y 20	000					
APPROPRIATION/BUDGET ACTION OF THE PROCUREMENT,								Wea	apon	Sys	tem		P-1	ITE	M N	OME	NC	LAT	URI		/IATI	ION								
							Prod	ducti	ion F	Rate					Pro	cure	men	t Le	adtin	nes										
Item	ı		ufactu and Lo		า	M	SR	1-8	3-5	M	4Χ		T Pr Oct			T Af Oct 1			Initia fg Pl		Re Mfg				Tota	al		Uni Mea	it of sure	
SY030, New Survival Radio	TADIRAN	N SPECTR	500			1			2			6		8				8		mo	nths									
SY048, PRC-112 Upgrades	US Arr	ny, Tob	yhanna		400			3			6			12		1	12			18		mor	nths							
									F	FISCA	L YE	AR 20	02								ı	FISC	AL YI	EAR :	2003					
ITEM / MANUFACTURER	F	S	Q	D	В		2001			ı	ı	(ALEN	IDAR	YEAR	2002	!						CAI	LEND	AR Y	EAR 2	.003			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	NON	J U	A U G	S E P	O C T	N O V	D E C	Α	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
SY030, New Survival Radio/Tadiran	01	N	4300	1077	3223	359	358	358	358	358	358	358	358	358																0
																											-			<u> </u>
SY048,PRC-112 Upgrades/Tobyhanna	00	N	728	366	362	61	61	60	60	60	60																			0
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FY 2000/01 BUDGET PRODU	CTION S	SCHE	DULE	, P-21													DATE				BRL								_
PPROPRIATION/BUDGET AND THER PROCUREMEN												Wea	apon	Sys	tem		P-1	ITEN	ΛN	OME	ENC	LAT	URE		ΊΑΤΙ	ON			
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SY085, JALEPV	AOTE	C, SOU	THBRID	GE, M	ASS	25	30	0	400)		7			3			6			6			9		mor	nths		
SY110, HEEDS	U.S. D	IVERS	CO./VIS	STA, CA	A	150	33	0	100	0		7			5			1			1			6		mor	nths		
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Item	Procurement I	P-1 ITEM N	IOMENICI AT			
Name and Location			IOMENCLAT			
Item				AVIAT	ION	
Item		Leadtimes			_	
SY120, AISAP (ARMOR)	ALT Prior ALT After	Initial	Reorder		Unit of	
SY130, PATSS Switlik, PA/Trenton, NJ 100 250 500		Mfg PLT	Mfg PLT	Total	Measur	re
SY140, PAESS (NDI) TBD 30 100 15	4 2	7	5	9	months	
TITEM / MANUFACTURER	5 1	9	9	10	months	
TIEM / MANUFACTURER	1 5	7	7	12	months	
TEM / MANUFACTURER						
TEM / MANUFACTURER						
TEM / MANUFACTURER						
Y	AR 1998		FISCAL Y	EAR 1999		
C	CALENDAR YEAR 1998		CA	LENDAR YEAR	1999	
SY120, AISAP (ARMOR)/Various 98		O N D	J F M	A M J	J A S	
SY120, AISAP (ARMOR)/Various 98		C O E	A E A	P A U	UUE	L
99 N 450 0 450		T V C	N B R	R Y N	L G P	
SY130,PATSS/Switlik 99 N 3053 0 3053	64 64 63 6	63 63 63 A	63 63 63	63 63 63 38 38		0 3 260
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Y V T L L A L O N D J F M A P R SY120, AISAP (ARMOR)/Various 99 N 450 190 260 38 37 37 37 37 37 37 SY120, AISAP (ARMOR)/Various 00 N 439 0 439 A SY120, AISAP (ARMOR)/Various 01 N 142 0 142 A A SY120, AISAP (ARMOR)/VARIOUS 01 N 142 A A SY120, AISAP (ARMOR)/VARIOUS 01 N 142 A A SY120, AISAP (ARMOR)/VARIOUS 01 N 142 A A SY120, AISAP (ARMOR)/VARIOUS 01 N 142 A A A SY120, AISAP (ARMOR)/VARIOUS 01 N 142 A A A A A A A A A A A A A A A A A A A				EAR 2001		_
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SY120, AISAP (ARMOR)/Various 99 N 450 190 260 38 37 37 37 37 37 37 SY120, AISAP (ARMOR)/Various 00 N 439 0 439 SY120, AISAP (ARMOR)/Various 01 N 142 0 142		O N D C O E	J F M	A M J P A U	J A S U U E	Δ
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SY130,PATSS/Switlik 99 N 3053 510 2543 255 255 255 254 254 254 254 254		A		35 35	36 36	0
SY130,PATSS/Switlik 99 N 3053 510 254 255 255 255 254 254 254 254 254 254						
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SY140, PAESS (NDI)/TBD 00 N 750 0 750 A		63 63 63	63 63 63	62 62 62	62 62 62	2 0
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FY 2001 BUDGET PRODUCTION	N SCI	HEDU	LE, P	-21														DATI				BRI								
APPROPRIATION/BUDGET AC OTHER PROCUREMENT		NAVY											Sys	tem		P-1	ITE	ΜN	OME	ENC	LA1	ΓUR		VIAT		N				
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APPROPRIATION/BUDGET ACT													Wea	apon	Sys	tem		P-1	ITE	ΜN	OMI	ENC	LAT	URI	E					
OTHER PROCUREMENT,	NAV	Υ																			ΑV	ΊΑΙ	10	N_						
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SY170, Navy Combat Edge	Vario	us				20		75		200			7			3			9			9			12		mor	nths		
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SY170, Navy Combat Edge/Various	98	N	330	0	330				Α									28	28	28	28	28	28	27	27	27	27	27	27	
	99	N	303	0	303																Α									303
																														
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SY155, Swimmers Dry Suit	00	N	75	0	75	-		_		Α		•				20	20	20	15	_										0
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FY 2001 BUDGET PRODUCTION	N SCI	HEDU	LE, P	-21														DATE			FE	BRU	JAR	Y 2	000					
APPROPRIATION/BUDGET AC OTHER PROCUREMENT.													Wea	apon	Sys	tem		P-1	ITE	M N	OME	ENC	LAT	ΓUR		VIAT	ION			
		-					Pro	duct	ion F	Rate					Pro	cure	men	t Le	adtin	nes										
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SY170, Navy Combat Edge	Vario	us				20		75		200			7			3			9			9			1:	2	mo	nths		
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ITEM / MANUFACTURER	F	s	Q	D	В		2001			FISCA	LYEA	AR 20		IDAR	YEAR	2002	2					FISC	CAL Y			YEAR 2	2003			
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SY170, Navy Combat Edge/Various	01	N	246	42	204	21	21	21	21	20	20	20	20	20	20															0
ITEM / MANUFACTURER	F	S	Q	D	В		2003						· Λ Ι Ε Ν	IDAD	VEAD	2004	ı					FISC	CAL Y			YEAR 2	POOE			
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FY 2001 BUDGET PRODUCTION SCHEE	ULE,	P-21																DATE			FE	BR	UAR	Y 20	000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY													Weap	on	Syst	em		P-1	ITE	M N	OMI	ENC	LAT	URE						
·							Pro	ducti	ion F	Rate					Proc	uren	nen	t Lea	adtin	nes										
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Item	١	Name	and Lo	ocation	1	M	SR	1-8	3-5	M	ΑX	to	Oct 1		C	oct 1		Mf	fg Pl	LT	М	lfg F	LT		Tota	ıl		Mea	asure)
SY210, Night Vision Devices (TACTICAL)	ITT, F	ROAN	OKE,	VA		15		150)	200)		7			2			7			6			9			mc	onths	
SY211,NVG Support Equip	HOFF	MAN EI	NG, Sta	mford,	СТ	4		1		14			1			1			2			2			3			mc	onths	
SY212, NVG (ROTARY)	ITT,R	OANG	OKE, \	/A		15		150)	200)		7			5			4			4			9			mc	onths	
SY212, NVG (ROTARY) PLUS-UP	TBD					TBI)	TBE)	TBE)		3			9			8			0			17			mc	onths	
									ı	FISCA	L YE	AR 19	998									FIS	CAL Y	EAR	1999			_		
ITEM / MANUFACTURER	F	S	Q	D	В		1997					(CALEND	AR `	YEAR	1998							CA	LEND	AR Y	EAR 1	999			ĺ
	Υ	V	T	E	A	0	N	D	J	F	М	Α	М	J	J	Α	s	0	Ν	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Υ	L	L	C	0	E	A	E	Α	Р		U	U		Е	С	0	E	A	E	A	Р	A	U	U	U	E	Ĺ
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SY210, Night Vision Devices (Tactical)/ITT	98 99	N N	234 670	0	234 670			Α						3	5	5	10	10	30	30 A	21	20	25	25	25	25 25	25	25	25	0 570
	99	IN	670	U	670															A						25	25	25	25	5/(
SY211, NVG Support Equipment/Hoffman Eng	99	N	65	0	65														Α		14								20	31
SY212, Night Vision Goggles (Rotary)/ITT	99	N	575	0	575																							₩	Α	575
31212, Night Vision Goggles (Rotary)/111	99	IN	3/3	U	3/3																							+	+	573
																												+	+	
										FISC	CAL Y	EAR :	2000									FIS	CAL Y	'EAR	2001					
ITEM / MANUFACTURER	F	S	Q	D	В		1999					C	CALEND	AR `	YEAR	2000							CA	LEND	AR Y	EAR 2	2001			ĺ
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	Ν	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Υ	L	L	С	0	Е	Α	Е	Α	Р		U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	E	L
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SY210, Night Vision Devices (Tactical)/ITT	99	N N	670 195	100	570 195	25	25	25	80	80	80	80	87 8	38	50	50	50	45										-	+	0
SY211, NVG Support Equipment/Hoffman Eng	99	N N	65	0 34	31	20	11		Α						50	50	50	45										+	+	0
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SY212, Night Vision Goggles (Rotary)/ITT	99	N	575	0	575				48	48	48	48	48 4	48	48	48	48	48	48	47									+	0
	00	N	45	0	45						Α				45															0
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SY212, Night Vision Goggles (Rotary)/TBD	00	N	2000	0	2000										Α												167	167	7 167	149
Remarks:		<u> </u>				<u> </u>																		1			<u> </u>			<u> </u>
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DD Form 2445, JUL 87 P-1 SHOPPING LIST Previous editions are obsolete

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311 / 244 ITEM NO 132 PAGE 23 OF 40 Exhibit P-21 Production Schedule

FY 2001 BUDGET PRODUCTION			LE, P	-21									\ \ \ /					DATI				BRI								_
APPROPRIATION/BUDGET ACT OTHER PROCUREMENT,													vv ea	apon		stem						ENC /IAT			E					
	_						Pro	duct	ion F	Rate					Pro	cure	mer	t Le	adtin	nes										
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SY220, Low Profile Flotation Collar		Ashvill		Juanon	ı	30	311	250		400		ic	5	. 1		1	<u> </u>	IVI	7	<u> </u>	IVI	7	<u> </u>		3			mon		-
SY300, MA-16 Inertia Reel			ons, An	ahaim (СА	50		500		700			6			6			6			6			12		mor		11115	
o 1000, MIA-10 Incitia (CCI	TTROC	11 & 50	лю, Aп	arienti,	<u> </u>	30		300	<u>, </u>	700						-									12	•	IIIOI	III IS		
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	В		1997					1		IDAR	YEAF	R 199								LEND		EAR 1	999			В
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SY220, Low Profile Flotation Collar/SEI	98	N	1067	0	1067	-	A	C	IN	В	K	I.	'		89			89		89		89			88		_	G	_	0
01220, LOW 1 Tollie 1 lotation Gollar/GET	99	N	4126	0	4126		Α							03	03	03	03	03	A	03	03	00	03	03	00	344	344	344	344	_
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ITEM / MANUFACTURER	l _		Q	_	_		4000			FISC	CAL Y	EAR :		10.40	\/E 4 F		•					FISC		EAR		E 4 D 0	201			ł
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						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
SY220, Low Profile Flotation Collar/SEI	99	N	4126	1376	2750	344	344	344	344	344	344	343	343				004	20.4	384	204	20.4	384	202	202	200	383	000	200		0
	00	N	4602	0	4602					Α							384	384	384	384	384	384	383	383	383	383	383	383		0
SY300, Inertia Reel/H.Koch &Sons	99	N	5700	0	5700							Α				475	475	475	475	475	475	475	475	475	475	475	475			0
																													\dashv	
Remarks:											<u> </u>				<u> </u>									<u> </u>						

311 / 244 ITEM NO 132 PAGE 24 OF 40 Exhibit P-21 Production Schedule

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	IDGET ACTIVIT	Υ	DA	TE:	
						OPN		FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1)):	Prod	Leadtime :		
SURVIVAL RA	DIO			2 M	ONTHS			8 N	IONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		46	680	2200	4300	4920	F1 2003	F1 2004	F1 2003
Unit Cost		65.782	2.898	1.900	1.816	1.772			
Total Cost		\$3,026	\$1,971	\$4,181	\$7,811	\$8719			
Asset Dynamics		ψ3,020	Ψ1,571	ψ+,101	Ψ7,011	ψ0713			
Beginning Asset Position		0	0	46	866	4003	7226		
Deliveries from all prior year	funding	0	46	0	0	0	0		
Deliveries from FY 1999 fun		0	0	220	460	0	0		
Deliveries from FY 2000 fun		0	0	600	1600	0	0		
Deliveries from FY 2001 fun-	0	0	0	0	1077	3223	0		
Deliveries from subsequent	years' funding	0	0	0	0	0	4920		
Other Gains	•								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
End of Year Asset Position	==	0	46	866	4003	7226	12146	12146	12146
Inventory Objective or Curre		20000	20000	20000	20000	20000	20000	20000	20000
Inventory Objective	Actual Training	Other than Trainir	ng	Disposals		Vehicles Eligible		Aircraft:	
20000	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:								-	

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	ents Study		AF	PROPRIATION/BU	IDGET ACTIVIT	Υ	DA	TE:	
-	-					OPN		FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATUR	E		Admin L	eadtime (after Oct1)):	Prod	Leadtime :		
PRC-112 UPGRADES					6 MONT	тнѕ		12 [MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		1952	0	728	728	444			
Unit Cost		.263	0	.684	.684	.684			
Total Cost		\$515	\$0.0	\$498	\$498	\$304			
Asset Dynamics									
Beginning Asset Position		0	800	1778	2752	3118	3846		
Deliveries from all prior year	funding	800	978	974	0	0	0		
Deliveries from FY 1999 fund	ding	0	0	0	0	0	0		
Deliveries from FY 2000 fund	ding	0	0	0	366	362	0		
Deliveries from FY 2001 fund	ding	0	0	0	0	366	362		
Deliveries from subsequent	years' funding	0	0	0	0	0	444		
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ions/etc.								
End of Year Asset Position	n	800	1778	2752	3118	3846	4652	4652	4652
Inventory Objective or Curre	ent Authorized Allowance	4652	4652	4652	4652	4652	4652	4652	4652
nventory Objective	Actual Training	Other than Train	ing	Disposals	•	Vehicles Eligible	for	Aircraft:	•
4652	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:					•		•	Storage:	•

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	JDGET ACTIVIT	Y	DA	ΓE:	
•	•					OPN		FEBRUARY	/ 2000
P-1 ITEM NOMENCLATUR	E		Admin Le	adtime (after Oct1)):	Prod	Leadtime :		
COMBAT SURVIVOR EV	ADER LOCATOR				2 MONTHS			3 M	IONTHS
		FY 1998	EV 4000	FY 2000	EV 2004	FY 2002	FY 2003	FY 2004	EV 2005
Buy Summary		0	FY 1999 0	0	FY 2001 200	260	2445	2736	FY 2005 2936
Unit Cost		0	0	0	15.785	11.403	6.708	6.904	6.976
Total Cost		\$0.0	\$0.0	\$0.0	\$3,157	\$2,965	\$16,402	\$18,890	\$20,483
Asset Dynamics		Ψ0.0	Ψ0.0	Ψ0.0	ψ5,157	Ψ2,303	ψ10, 1 02	ψ10,030	Ψ20,403
Beginning Asset Position		0	0	0	0	0	200	460	2905
Deliveries from all prior year	funding	0	0	0	0		0	0	0
Deliveries from FY 1999 fund		0	0	0	0	0	0	0	0
Deliveries from FY 2000 fund		0	0	0	0	0	0	0	0
Deliveries from FY 2001 fund		0	0	0	0	200	0	0	0
Deliveries from subsequent	<u> </u>	0	0	0	0	0	260	2445	2736
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position		0	0	0	0	200	460	2905	5641
Inventory Objective or Curre		9028	9028	9028	9028	9028	9028	9028	9028
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
9028	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	<u>t:</u>	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requirement	nts Study		AP	PROPRIATION/BU	JDGET ACTIVIT	Y	D	ATE:	
						OPI	١	FEBRUAR	Y 2000
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)):	Prod	Leadtime :		
LASER EYE PR	OTECTION				7 MONT	нѕ		1	4 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		0	1920	2060	2001		2000	200 .	2000
Jnit Cost		0	1.068	.892					
Total Cost		\$0.0	\$2,051	\$1,838					
Asset Dynamics									
Beginning Asset Position		0	320	320	1760	3787			
Deliveries from all prior year for	unding	320	0	0	0	0			
Deliveries from FY 1999 fundi		0	0	1440	480	0			
Deliveries from FY 2000 fundi		0	0	0	1547	513			
Deliveries from FY 2001 fundi	ing	0	0	0	0	0			
Deliveries from subsequent ye	ears' funding	0	0	0	0	0			
Other Gains									
Combat Losses/Usage									
Fraining Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritio	ns/etc.								
End of Year Asset Position		320	320	1760	3787	4300	4300	4300	4300
Inventory Objective or Curren	t Authorized Allowance	4300	4300	4300	4300	4300	4300	4300	4300
nventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
6653	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
_oads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: TOTAL:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
Remarks:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BU	JDGET ACTIVIT	Y	DA	TE:	
, .	•					OPN		FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATURE			Admin Le	adtime (after Oct1)):	Prod	Leadtime :		
JALEPV					3 MONTHS			(MONTHS
			<u> </u>						
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				350	600	600	600	600	600
Unit Cost				1.748	1.746	1.746	1.746	1.746	1.746
Total Cost				\$612	\$1,048	\$1,048	\$1,048	\$1,048	\$1,048
Asset Dynamics									
Beginning Asset Position				0	89	500	950	1550	2150
Deliveries from all prior year for	unding			0	0	0	0	0	0
Deliveries from FY 1999 fund	ing			0	0	0	0	0	0
Deliveries from FY 2000 fundi	ing			89	261	0	0	0	0
Deliveries from FY 2001 fundi	ing			0	150	450	0	0	0
Deliveries from subsequent ye	ears' funding			0	0	0	600	600	600
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position				89	500	950	1550	2150	2750
Inventory Objective or Curren	t Authorized Allowance			3500	3500	3500	3500	3500	3500
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
3500	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:	-	FY 1995:	·		·	Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 132 PAGE NO. 29 OF 40

Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BUI	OGET ACTIVIT	Υ	D	ATE:	
, ·	•					OPN		FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1):		Pro	od Leadtime :		
HELICOPTER EMERGEN	ICY EGRESS DEVICE				5 MONT	THS		1 N	ONTHS
		F)/ 1000	F)/ 4000	E)/ 0000	E)/ 0004	F)/ 0000	F)/ 0000	F)/ 000 /	E)/ 000E
D 0		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		0	2000						
Unit Cost		0	.345						
Total Cost		\$0.0	\$690						
Asset Dynamics									
Beginning Asset Position		6000	6000						
Deliveries from all prior year f		0	0						
Deliveries from FY 1999 fund		0	2000						
Deliveries from FY 2000 fund	·	0	0						
Deliveries from FY 2001 fund		0	0						
Deliveries from subsequent ye	ears' funding	0	0						
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position	l .	6000	8000						
Inventory Objective or Curren		8000	8000	8000	8000	8000	8000	8000	8000
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligib	le for	Aircraft:	
8000	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repla		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib	le for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	ent:	Attrition Res:	·
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	·
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	JDGET ACTIVIT	Υ	DA	TE:	
-	-					OPN		FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)):	Prod	Leadtime :		
AIRCREW INTEGRATED	SURVIVAL/ARMOR PRO	TECTION (AISAP)			2 MONT	гнѕ		5 N	ONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		758	450	439	142	300			
Unit Cost		1.501	1.028	1.3	1.302	1.3			
Total Cost		\$1,138	\$463	\$571	\$185	\$390			
Asset Dynamics		. ,	·	·	·	·			
Beginning Asset Position		1550	1741	2498	2866	3339			
Deliveries from all prior year f	funding	191	567	0	0	0			
Deliveries from FY 1999 fund	ling	0	190	260	0	0			
Deliveries from FY 2000 fund	ling	0	0	108	331	0			
Deliveries from FY 2001 fund	ling	0	0	0	142	0			
Deliveries from subsequent y	ears' funding	0	0	0	0	300			
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		1741	2498	2866	3339	3639	3639	3639	3639
Inventory Objective or Currer	nt Authorized Allowance	3639	3639	3639	3639	3639	3639	3639	3639
Inventory Objective	Actual Training	Other than Trainin	ıg	Disposals		Vehicles Eligible		Aircraft:	
3639	Expenditures	Usage		(Vehicles/Other)	1	FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requirements Study			AP	PROPRIATION/BU	DGET ACTIVIT	DA	DATE:			
-						OP	N	FEBRUAR'	/ 2000	
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)	:	Pro	d Leadtime :			
PASSENGER AND TROC	P SURVIVAL SYSTEM (I	PATSS)		1 MONTHS				9 N	9 MONTHS	
		E)/ 4000	E)/ 1000	F) (0000	E)/ 0004	F)/ 0000	F)/ 0000	F) / 000 4	E)/ 000E	
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary			3053				_			
Unit Cost			.176							
Total Cost			\$539							
Asset Dynamics										
Beginning Asset Position			5483	5993						
Deliveries from all prior year fu			0	0						
Deliveries from FY 1999 fundi			510	2543						
Deliveries from FY 2000 fundi			0	0						
	eliveries from FY 2001 funding		0	0						
Deliveries from subsequent ye	ears' funding		0	0						
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attritio	ns/etc.									
End of Year Asset Position			5993	8536	8536	8536	8536	8536	8536	
Inventory Objective or Curren	t Authorized Allowance		8536	8536	8536	8536	8536	8536	8536	
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligibl	e for	Aircraft:		
8536	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repla		TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligibl	e for	PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	cement:	TAI		
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	nt:	Attrition Res:		
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
TOTAL:					•		•	Storage:		

P-1 SHOPPING LIST

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CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 132

UNCLASSIFIED

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Exhibit P-20, Requireme	nts Study		Α	PPROPRIATION/BU	JDGET ACTIVIT	′	DATE:			
							OPN	FEBRUAR	Y 2000	
P-1 ITEM NOMENCLATURE			Admin I	Leadtime (after Oct1)):	Prod	Leadtime :			
PASSENGER ANTI-EXPO	SURE SURVIVAL SYST	EM (PAESS)			5 MONT	HS	7		7 MONTHS	
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 200	3 FY 2004	FY 2005	
Buy Summary		111100		750	800	800	725	725	1	
Unit Cost				.725	.725	.725	.725	.725		
Total Cost				\$544	\$580	\$580	\$526	\$526		
Asset Dynamics					-			·		
Beginning Asset Position				0	0	750	1550	2350	3075	
Deliveries from all prior year f	unding			0	0	0	0	0	0	
Deliveries from FY 1999 fund	ing			0	0	0	0	0	0	
Deliveries from FY 2000 fund	ing			0	750	0	0	0	0	
eliveries from FY 2001 funding				0	0	800	0	0	0	
Deliveries from subsequent ye	eliveries from subsequent years' funding			0	0	0	800	725	725	
Other Gains										
Combat Losses/Usage										
raining Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrition	ons/etc.									
End of Year Asset Position				0	750	1550	2350	3075	3800	
nventory Objective or Curren	t Authorized Allowance			3800	3800	3800	3800	3800	3800	
nventory Objective	Actual Training	Other than Trainir	ng	Disposals		Vehicles Eligible	for	Aircraft:		
3800	Expenditures	Usage		(Vehicles/Other)	1	FY 2000 Replac	ement:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:		
oads:	ds: XXXXX: XXXXX:			XXXXX:		FY 2001 Replac	ement:	TAI		
VRM Rqmt:			-	FY 1997:	·	Vehicle Augmen	t:	Attrition Res:		
Pipeline:	e: FY 1996: FY 1996:			FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
OTAL:								Storage:		

P-1 SHOPPING LIST

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CLASSIFICATION:

UNCLASSIFIED

xhibit P-20, Requirements Study				PPROPRIATION/BU	JDGET ACTIVIT	Υ	DATE:			
•	•						OPN	FEBRUARY 2000		
P-1 ITEM NOMENCLATURI	Ē		Admin L	eadtime (after Oct1)):	Prod	Leadtime :			
SWIMMERS' DRY SUIT				4 MON	гнѕ		6		6 MONTHS	
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		111000	111000	75	100	100	74	1 1 200 1	1 1 2000	
Unit Cost				.653	.650	.650	.653			
Total Cost				\$49	\$65	\$65	\$49			
Asset Dynamics				, -	*	***	,			
Beginning Asset Position				51	91	226	326			
Deliveries from all prior year	funding			0	0	0	0			
Deliveries from FY 1999 fund	•			0	0	0	0			
Deliveries from FY 2000 fund	ding			40	35	0	0			
Deliveries from FY 2001 fund	liveries from FY 2001 funding			0	100	0	0			
Deliveries from subsequent y	eliveries from subsequent years' funding			0	0	100	74			
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attriti										
End of Year Asset Position				91	226	326	400	400	400	
Inventory Objective or Curre				400	400	400	400	400	400	
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:		
400	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI		
WRM Rqmt:				FY 1997:		Vehicle Augmen	t:	Attrition Res:		
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
TOTAL: Remarks:								Storage:		

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requirement	AP	APPROPRIATION/BUDGET ACTIVITY DATE:							
							OPN	FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)	:	F	Prod Leadtime :		
NAVY COMBAT EDGE					3 M	IONTH			9 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		330	303	409	246				
Unit Cost		4.293	3.980	3.789	4.073				
Total Cost		\$1,417	\$1,206	\$1,550	\$1,002				
Asset Dynamics									
Beginning Asset Position		0	0	330	702	1084			
Deliveries from all prior year fu	ınding	0	330	0	0	0			
Deliveries from FY 1999 fundi		0	0	303	0	0			
Deliveries from FY 2000 fundi	ng	0	0	69	340	0			
Deliveries from FY 2001 fundi	ng	0	0	0	42	204			
eliveries from subsequent years' funding		0	0	0	0	0			
Other Gains	ther Gains								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ns/etc.								
End of Year Asset Position		0	330	702	1084	1288	1288	1288	1288
Inventory Objective or Current		1288	1288	1288	1288	1288	1288	1288	1288
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Elig		Aircraft:	
1288	Expenditures	Usage		(Vehicles/Other)		FY 2000 Re		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Elig	,	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Re		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Aug	ment:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	IDGET ACTIVIT	Υ	DA	TE:		
						OPI	N	FEBRUAR	Y 2000	
P-1 ITEM NOMENCLATURE	=		Admin L	eadtime (after Oct1)):	Proc	Leadtime :			
NIGHT VISION DEVICES	(TACTICAL)				2 MONT	тнѕ		(6 MONTHS	
		EV 4000	EV 4000	EV 0000	F)/ 0004	EV 0000	EV 0000	EV 0004	EV 000E	
D 0		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		234	670	195						
Unit Cost		6.683	6.48	6.482						
Total Cost		\$1,564	\$4,342	\$1,264						
Asset Dynamics										
Beginning Asset Position		226	249	560	1280	0				
Deliveries from all prior year f		23	211	0	0	0				
Deliveries from FY 1999 fund	ding	0	100	570	0	0				
Deliveries from FY 2000 fund	ding	0	0	150	45	0				
Deliveries from FY 2001 fund	ding	0	0	0	0	0				
Deliveries from subsequent y	ears' funding	0	0	0	0	0				
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrition	ons/etc.									
End of Year Asset Position	1	249	560	1280	1325	1325	1325	1325	1325	
Inventory Objective or Currer	nt Authorized Allowance	1325	1325	1325	1325	1325	1325	1325	1325	
Inventory Objective	Actual Training	Other than Train	ing	Disposals	•	Vehicles Eligible	for	Aircraft:	•	
1325	Expenditures	Usage	•	(Vehicles/Other)		FY 2000 Replac	ement:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI		
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:		
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
TOTAL:								Storage:		
Remarks:	•	•		•		•				

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	chibit P-20, Requirements Study			PROPRIATION/BU	IDGET ACTIVIT	Υ	DATE:		
							OPN	FEBRUAR'	Y 2000
P-1 ITEM NOMENCLATURI	Ē		Admin Le	adtime (after Oct1)):	Prod	Leadtime :		
NIGHT VISION GOGGLE	ES SUPPORT EQUIPMEN	Т		1 MONTHS					
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			65						
Unit Cost			24.246						
Total Cost			\$1,576						
Asset Dynamics									
Beginning Asset Position			0	34					
Deliveries from all prior year	funding		0	0					
Deliveries from FY 1999 fund	ding		34	31					
Deliveries from FY 2000 fund	ding		0	0					
eliveries from FY 2001 funding			0	0					
Deliveries from subsequent y	years' funding		0	0					
Other Gains									
Combat Losses/Usage									
Fraining Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position	· -		34	65	65	65	65	65	65
nventory Objective or Curre			65	65	65	65	65	65	65
nventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
65	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
.oads:	XXXXX: XXXXX:			XXXXX:		FY 2001 Replac		TAI	
VRM Rqmt:				FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:				FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED CLASSIFICATION:

xhibit P-20, Requirements Study			PROPRIATION/BU	DGET ACTIVIT	Y	DA	TE:	
-					OP	N	FEBRUAR	Y 2000
		Admin Le	adtime (after Oct1)		Pro	d Leadtime :		
S (ROTARY)				5 M	IONTHS			4 MONTHS
,								
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
		575	2045	442	433	419	691	602
		6.499	6.488	7.0	7.0	7.0	7.0	7.0
		\$3,737	\$14,292	\$3,094	\$3,031	\$2,933	\$4,837	\$4,214
		·	·	•				·
		0	0	477	1232	3062	3495	3914
unding		0	0	0	0	0	0	0
ing		0	432	143	0	0	0	0
ing		0	45	501	1499	0	0	0
Deliveries from FY 2001 funding		0	0	111	331	0	0	0
Deliveries from subsequent years' funding		0	0	0	0	433	419	691
			22.2					4605
				5432				5432
		ing						
							_	
					Vehicle Augme	nt:		
FY 1995:	FY 1995:		FY 1995:					
							Storage:	
	s (ROTARY) unding ing ing ing ears' funding	S (ROTARY) FY 1998 unding ing ing ing ears' funding ans/etc. It Authorized Allowance Actual Training Expenditures FY 1998 thru XXXXX: FY 1997: FY 1996: FY 1996: FY 1996:	Admin Le	Admin Leadtime (after Oct1) S (ROTARY)	Admin Leadtime (after Oct1): S (ROTARY) S (ROTARY) FY 1998 FY 1999 FY 2000 FY 2001	Admin Leadtime (after Oct1): From Standard	Admin Leadtime (after Oct1): FY 2002 FY 2003	Admin Leadtime (after Oct1):

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requirements Study			API	PROPRIATION/BU	DGET ACTIVIT	Υ	DATE:			
							OPN FEBRUARY 2000			
P-1 ITEM NOMENCLATURE			Admin Le	adtime (after Oct1)):	Prod	Prod Leadtime :			
LOW PROFILE FLOTATION	N COLLAR				1 MONTHS		7 MONTHS			
		FV 4000	EV 4000	EV 0000	EV 0004	EV 0000	E)/ 0000	EV 0004	EV 000E	
D O		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		1067	4126	4602						
Unit Cost		.333	.349	.400						
Total Cost		\$356	\$1,440	\$1,841						
Asset Dynamics		2025	2004	47.40	7000					
Beginning Asset Position		2305	2661	4748	7882					
Deliveries from all prior year fu	nding	356	711	0	0					
Deliveries from FY 1999 fundir		0	1376	2750	0					
Deliveries from FY 2000 fundir		0	0	384	4218					
Deliveries from FY 2001 fundir		0	0	0	0					
Deliveries from subsequent ye	ars funding	0	0	0	U					
Other Gains										
Combat Losses/Usage										
Training Losses/Usage Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrition	os/oto							+		
End of Year Asset Position	15/610.	2661	4748	7882	12100	12100	12100	12100	12100	
Inventory Objective or Current	Authorized Allowance	12100	12100	12100	12100	12100	12100	12100	12100	
Inventory Objective or Current	Actual Training	Other than Traini		Disposals	12100	Vehicles Eligible		Aircraft:	12100	
12100	Expenditures	Usage	ii ig	(Vehicles/Other)		FY 2000 Replac		TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI		
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen		Attrition Res:		
Pipeline:	FY 1996:	FY 1996:		FY 1996:		v ormoto r tagimon		BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
TOTAL:								Storage:		
Remarks:						<u> </u>				

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requirement	nts Study		AF	PPROPRIATION/BL	JDGET ACTIVIT	Υ	DATE:		
	-						OPN	FEBRUAR	Y 2000
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1):	Pro	od Leadtime :		
MA-16 INERTIA REEL					6 MONTHS		6 N		
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 200	3 FY 2004	FY 2005
Buy Summary				5700					
Unit Cost				1.052					
Total Cost				\$6,000					
Asset Dynamics									
Beginning Asset Position				0	950				
Deliveries from all prior year				0	0				
Deliveries from FY 1999 fund				0	0				
Deliveries from FY 2000 fund				950	4750				
Deliveries from FY 2001 fund	0			0	0				
Deliveries from subsequent y	/ears' funding			0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritic	ons/etc.								
End of Year Asset Position				950	5700	5700	5700	5700	5700
Inventory Objective or Currer	nt Authorized Allowance			5700	5700	5700	5700	5700	5700
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligib	le for	Aircraft:	
5700	Expenditures	Usage		(Vehicles/Other))	FY 2000 Repla	acement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib	le for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augm	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

UNCLASSIFIED

		BUD	GET ITEM JUSTIFICA		DATE:						
			P-40						Februa	ry 2000	
APPROPRIATION/BUD	GET ACTIVIT	Y				P-1 ITEM NOM	ENCLATURE				
OTHER PROCURE	MENT, NA	VY BA-3: NA	VY/AVIATION SUPPO	RT EQUIPM	ENT	Airborne Mine	Countermeasu	ıres			
Program Element for Co	ogram Element for Code B Items: 0604373N Other Related Program Elements										
	Prior	ID								То	
	Years	Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY											
COST											
(In Millions)		В	\$35.3	\$31.3	\$32.1	\$42.3	\$42.9	\$78.6	\$104.0	Cont.	Cont.
SPARES COST											
(In Millions)			\$1.8	\$3.6	\$1.6	\$1.9	\$2.6	\$6.1	\$5.0	Cont.	Cont.

Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The CH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.

S0020 - Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.

S0061 - The MK-105 Mod 4 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of coarse magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness.

S0062 - AN/AQS-14A is a digital upgrade to the electronics used in the airborne console for the AQS-14 which has been in the fleet since 1984. The requirement for this upgrade is driven by parts obsolescence, the need for improved performance, and advances in the state of the art.

S0063 - Magnetic Cable is a new magnetic sweep array with an extended operational life and the capability to handle twice the current of existing cables. Additionally, cable diameter and bend radius are maintained to allow continued use of existing support equipment.

S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines.

S0066 - C4I funding provided in FY99 will purchase ARC-220 radios, mission data link sub-assemblies, and associated interfaces for an AMCM C4I Data Link capability.

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

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		BU	IDGET ITEM JUSTIFICA	TION SHEE	Τ			DATE:			
			P-40						Februa	ry 2000	
APPROPRIATION/BUI	DGET ACTIVIT	Υ				P-1 ITEM NOMENCLATURE					
OTHER PROCURE	EMENT, NA	VY/ BA-3: I	NAVY/AVIATION SUPPO	ORT EQUIPM	IENT		Air	borne Mine C	ountermeas	ures	
Program Element for Co	ode B Items:	0604373N			Other Related P	rogram Elemen	ts				
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
	100.0	0000	111000	1 1 2000	112001	1 1 2002	1 1 2000	1 1 200 1	1 1 2000	Complete	10101
QUANTITY											
COST											
(In Millions)		В	\$35.3	\$31.3	\$32.1	\$42.3	\$42.9	\$78.6	\$104.0	Cont.	Cont.
SPARES COST (In Millions)	\$1.6	\$1.9	\$2.6	\$6.1	\$5.0	Cont.	Cont.				

S0071 - AN/AQS-14A LLSS provides a mine identification deployment contingency capability to significantly increase the speed of mine clearing operations. It involves integration of an off-the-shelf SM2000 Laser Line Scanner into the AN/AQS-14A minehunting system.

S0073 - AN/AQS-20 funding provided in FY 2000 - FY 2002 supports Limited Production. The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E. FY00/FY01 includes two AN/AQS-20 systems which will be provided to the Remote Minehunting System (RMS) program as Government Furnished Equipment (GFE).

S0074 - AN/AQS-20X funding provided in FY2003 and out supports initial full rate production. The AN/AQS-20X will provide battle groups with an organic CH-60S compatible minehunting system capable of high speed airborne search, detection, localization, classification and identification of sea mines. The AN/AQS-20X includes an added mine identification capability and will be effective against bottom, close tethered and volume mines.

S0075 - Airborne Laser Mine Detection Systems (ALMDS) is a light detection and ranging (LIDAR) system for rapid detection and localization of floating and near-surface tethered mines. ALMDS will be an Organic Airborne Mine Countermeasure (OAMCM) capability deployed from the CH-60S helicopter.

S0076 - The Organic Airborne & Surface Influence Sweep (OASIS), formerly organic SWIMS, will provide a self-contained, high tow speed, shallow water influence multi-sweep capability, capable of being towed by the organic CH60S helicopter and selected surface craft.

S0077 - Rapid Airborne Mine Clearance System (RAMICS) will provide an effective rapid organic airborne laser detection, targeting, and super cavitating projectile destruction of shallow water mines off the CH60S platform.

PE #0604373N	<u>AMNS</u>	AN/AQS-20X	<u>ALMDS</u>	OASIS	AQS-14A LLSS	RAMICS
DT	APR 00	MAR 02	OCT 02	JUN 03	DEC 00	NOV 03
ОТ	AUG 00	JUN 02	MAR 03	AUG 03	DEC 00	MAR 04
FOT&E	AUG 02					
IOT&E			OCT 02			
TDP	MAY 03	NOV 02	MAR 03	MAR 04	FEB 01	DEC 04
PRODUCTION SPEC	MAY 03					DEC 04

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CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System							DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3:					ID Code	P-1 ITEM N	IOMENCLATU	RE/SUBHEAD)				i coruc	y 2000	
NAVY/AVIATION SUPPORT EQUIPMENT					В	Airborne Mine Countermeasures/73S0									
			TOTAL COST	IN THOUSANI	OS OF DOLLARS										
COST	ELEMENT OF COST	ID Code	Prior				FY 1999			FY 2000		FY 2001			
			Years Total Cost			Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Co	
60020	MODIFICATION	А						1,981			3,124			2,08	
S0061	Unit Cost - MK-105 Mod 4 STRUTS - NON-RECURRING PRODUCTION SUPPORT - TRAINING	A				3	4,300	12,900 0 381	1	4,800	4,800 0 0				
	PUBLICATIONS/TECHNICAL DATA STRUTS-RECURRING							400			0 60			6	
	SUPPORT EQUIPMENT CONVERSION							1,382 600			0 1,200			7	
	S0061 TOTAL							15,663			6,060			2,	
50062	Unit Cost - AN/AQS-14A KITS NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA	A				6	360	2,160							
	TRAINING COMPONENTS RELIABILITY ECPs S0062 TOTAL							4,351 6,511			0				
S0063	Unit Cost - MAGNETIC CABLE NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA	A				13	85	1,105 75 120							
	TRAINING S0063 TOTAL							1,300			0				
	Subtotal	ı						25,455			9,184			4	

WEAPONS SYSTEM COST ANALYSIS Weapon System										DATE: February 2000				
P-5 APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 NAVY/AVIATION SUPPORT EQUIPMENT					ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0							rebiua	Ty 2000
47.0 177.0			TOTAL COST	IN THOUSANDS		All sortie milie oouthermeasures/1500								
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost			FY 1999 Quantity Unit Cost		Total Cost Quant		FY 2000 ntity Unit Cost Total Cost		FY 2001 Quantity Unit Cost		Total Cos
						Quantity	OTHE COSE	Total Cost				-		
S0065	<u>Unit Cost - AMNS</u>	Α							2	1,150	2,300		1,150	
	Unit Cost - EXPENDABLES								20	50	1,000	20	50	1,
	NON-RECURRING ENGINEERING										150			
	SUPPORT EQUIPMENT (CONTAINERS)										200			1
	ILS/PUBS/TECH DATA										271			2
	TRAINING										200			
	S0065 TOTAL										4,121			3,
S0066	Unit Cost - C4I UPGRADES	А				29	185	5,365						
	NON-RECURRING ENGINEERING							758						
	SUPPORT EQUIPMENT							500						
	ILS/PUBS/TECH DATA							762						
	TRAINING							395						
	PROGRAM SPECIFIC (TEST/INSTALL)							2,098						
	S0066 TOTAL							9,878						
0071	Unit Cost - AN/AQS-14A LLSS											4	940	3,7
30071	NON-RECURRING ENGINEERING	В											340	3,7
	SUPPORT EQUIPMENT													
	ILS/PUBS/TECH DATA													
	TRAINING													
	PRODUCTION SUPPORT													4,2
														4,2
	S0071 TOTAL													
	Subtotal		0					9,878			4,121			8,
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	WEAPONS SYSTEM	COST AN	NALYSIS			Weapon S	ystem							DATE:	
	P-5	i												Februa	ry 2000
APPROP	RIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM N	OMENCLATU	IRE/SUBHEA	D					
Other Pr	ocurement, Navy/BA-3														
NAVY/A	VIATION SUPPORT EQUIPMENT					В		Airbo	rne Mine	Counter	measures/	73S0			
			TOTAL COS	T IN THOUS	SANDS OF DO	DLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years					FY 1999			FY 2000			FY 2001	
			Total Cost				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0073	Unit Cost - AQS-20	В								2	6,350	12,700	3	5,900	17,700
	NON-RECURRING ENGINEERING											0			
	SUPPORT EQUIPMENT											1,621			2,100
	ILS/PUBS/TECH DATA											2,200			
	TRAINING											0			
	INTERIM SPARES											1,500			
	S0073 TOTAL											18,021			19,800
	Total		0						35,333			31,326			32,084

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BUDGET PROCUREM	ENT HISTO	RY AND PI	LANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
									February 20	000
B. APPROPRIATION/BUDGET A	CTIVITY				C. P-1 ITEM NON	MENCLATURE		-	SUBHEAD	
Other Procurement, Na	avy					Airborne Mine Countermea	sures		73	S0
BA-3: NAVY/AVIATION	SUPPORT	EQUIPME	:NT		BLI 424800					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (99) MK-105 MOD 4-S0061 AN/AQS-14A KITS-S0062 MAGNETIC CABLE-S0063 C4I UPGRADES - S0066	3 6 13 29	4300 360 85 185	NAVSEA NAVSEA NAVSEA NAVSEA		OPTION OPTION OPTION SS/FP	EDO CORP, N. AMITYVILLE, NY NORTHROP-GRUMMAN COGENT, NEWPORT EDO CORP, N. AMITYVILLE, NY	11/98 11/98 12/98 3/99	9/00 8/99 7/99 4/00	YES YES YES YES	
FISCAL YEAR (00) MK-105 MOD 4-S0061 AMNS - S0065 AQS-20 - S0073	1 * 2 2	4800 1150 6350	NAVSEA NAVSEA NAVSEA		SS/FP SS/FP SS/FP	EDO CORP, N. AMITYVILLE, NY LM/STN ATLAS, SYRACUSE, NY RAYTHEON, PORTSMOUTH, RI	2/00 12/00 5/00	1/02 06/02 5/02	YES NO NO	
FISCAL YEAR (01) AMNS - S0065 AN/AQS-14A LLSS - S0071 AQS-20 - S0073	2 4 3	1150 940 5900	NAVSEA NAVSEA NAVSEA		SS/FP SS/FP SS/FP	LM/STN ATLAS, SYRACUSE, NY NORTHRUP GRUMMAN, MD RAYTHEON, PORTSMOUTH, RI	12/00 02/01 11/00	06/02 02/02 11/02	NO NO NO	

D DEMADE

P-1 SHOPPING LIST

ITEM NO. PAGE NO. 133 6 Classification:

^{*} The FY00 Appropriations Act reduced funding for procurement of Combat Survivor Evader Locator (CSEL) Radios. The Congressional language directed this reduction against the AMCM budget line instead of the Aviation Life Support budget line where CSEL is budgeted. As a result, funding for Mk-105 Mod 4 upgrades has been reduced and the number of systems being modified in FY00 has been reduced by one system. Funds will be realigned during execution to restore the AMCM budget and allow procurement of two Mk-105 upgrades.

FY 2000/01 BUDGET PRODU			EDUL	E, P-2	1													DATE				ebru								
APPROPRIATION/BUDGET A					_			_				,	Wea	pon	Sys	stem						ENC								
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DD Form 2445, JUL 87 Previous editions are obsolete

P-1 SHOPPING LIST

Exhibit P-21 Production Schedule

FY 2000/01 BUDGET PRODU			EDUL	E, P-2	21													DATE				ebru								
APPROPRIATION/BUDGET A			/	! - 4 !	C		- :	•	4				We	apon	Sys	stem			ITE											
OTHER PROCUREMENT, NA	VY/BA	-3 Na	/y/AV	lation	Supp	ort		•		Rate					Pro	CUITO	man	Air	bor adtin	ne	Mir	<u>1e C</u>	Cou	nte	rm	eas	ure	<u>s</u>		
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MK-105 Mod 4				lle, NY		1		6		6			6			3			22			<u> </u>			25			Е		
MK-105 Mod 4													3			1						22			23	3		Е		
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MK-105 Mod 4	00		1	0	1				1																					
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Remarks:																														

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 133 PAGE 8 Exhibit P-21 Production Schedule

FY 2000/01 BUDGET PRODU			EDUL	E, P-2	21													DATE				ebru								
APPROPRIATION/BUDGET A OTHER PROCUREMENT, NA			n/Av	iation	Sunn	ort	Eau	inm	ont				wea	apon	Sys	stem						ENC								
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Remarks:																														

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 133 PAGE 9 Exhibit P-21 Production Schedule

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Manufacturer's Mark	OTHER PROCUREMENT, NA	VY/BA	-3 Na	vy/Av	iation	Supp	ort		•		Data					Dro	ouro	mon	Air	bor	ne	Mir	<u>1e C</u>	Cou	nte	rme	eas	ure	<u>s</u>		
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TIEM/MANUFACTURER F N S D Q T T L S S D S T S S D S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S																															
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TIEM/MANUFACTURER F S Q T T E A A O N D J F M A N D J J S N D D J F M A N D J J J A S O N D J F M A N D J J J A N D J J J J A N D J J J J A N D J J J J A N D J J J J J J J J J J J J J J J J J J																															
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	AN/AQS-20	00		2	0	2	+	V	C	N	В	К	K		N	L	G	Р	'	V	C	IN	В	K	К	Y	IN	_	G	Р	0
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C Y L L C O E A E A F W Y N L G O E A E A F W Y N L G O E A E A F W Y N L G O E A E A F W Y N L G P T V C N B R R Y N N L G P T V C N B R R Y N N L G P P T V C N B R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G P P T V C N B R R R Y N N L G R P P T V C N B R R R Y N N L G R P P T V C N B R R R Y N N L G R P P T V C N B R R R Y N N L G R P P T V C N B R R R Y N N L G R P P T V C N B R R R Y N N L G R P P T V N C N B R R R Y N N L G R P P T V N C N B R R R Y N N L G R P P T V N C N B R R R Y N N L G R P P T V N C N B R R R Y N N L G R P P T V N C N B R R R Y N N L G R P P T V N C N R R Y N N L G R Y N L G R Y	ITEM / MANUFACTURER							2003					(CALE	NDAR	YEAR	R 200	4						CA	LEND	AR Y	EAR 2	005			В
T V C N B R V N L G P T V C N B R R Y N L G P T V C N B R R R V N L G P T V C N B R R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G P R V N L G N		Y													-		A U		0								-				A
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 133 PAGE 10 Exhibit P-21 Production Schedule

UNCLASSIFIED

			BUDGET I	TEM JUSTIFIC	CATION SHE	ΞT			DATE:			
				P-40						Februa	ry 2000	
APPROPRIATION/BUD	GET ACTIV	ITY					P-1 ITEM NOME	NCLATURE: R	CONNAISSANC	E ELECTRONIC	WARFARE	
OTHER PROCUREMEN	IT, NAVY/BA	A-3 AVIA	TION SUPPORT	EQUIPMENT			REWSON PHO	TOGRAPHIC EQ	UIPMENT - Y3S4	4		
Program Element for Co	de B Items:						Other Related P	rogram Elements				
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	\$56.2		\$0.7	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$57.8

REWSON: Reconnaissance Electronic Warfare Special Operations Navy

This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.

Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.

This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).

The FY98-99 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.

NOTE: Due to the Navy's decision to combine small programs, all Y3S4 funds for FY00-05 have been moved to Y3SX (Other Photographic Equipment).

P-1 SHOPPING LIST

PAGE NO. 1

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 134 PA

UNCLASSIFIED

В	UDGET	TITEM JU	STIFICATIO	ON SHEET I P-40a	FOR AGGR	EGATED I	ΓEMS		DATE:	Februa	ry 2000	
APPROPRIATION/BUD	GET ACT	IVITY					P-1 ITEM NO	MENCLATURE			•	
OTHER PROCURE	MENT.	NAVY/BA	A-3 AVIATION	ON SUPPO	RT EQUIPM	IENT		Rewson	Photograph	ic Equipme	ent - Y3S4	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
DCRS	Α											
Quantity		3	3	3	0	0	0	0	0	0	0	
Funding		450	465	480	0	0	0	0	0	0	0	1,39
Other Costs		55,784	210	364	0	0		0	0	0	0	56,35
Total P-1 Funding		56,234	675	844	0	0		0	0	0	0	57,75
	1				P-1 SHOPPII			CLASSIFICA ⁻				

DD Form 2454, JUN 86 ITEM NO. 134 PAGE NO. 2

	WEAPONS SYSTEM CO	ST AN	IALYSIS			Weapon Sy	stem						DATE:		
	P-5												Fe	bruary 20	000
	PRIATION/BUDGET ACTIVITY								URE/SUBHE						
OTHER	R PROCUREMENT, NAVY/BA-3 AVI	ATION	SUPPOR	T EQUIPN	MENT		REWSON F	PHOTOGRA	APHIC EQU	IPMENT -	Y3S4				
	<u> </u>		TOTAL 000	T IN THOU	24100.05	DOLLADO.									
			TOTAL COS	I IN THOUS	SANDS OF	DOLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000 *	*		FY 2001	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
0.4040	MICC CMALL FOLUDATATA FORC		0.050			0.4			405						
S4019 S4830	MISC SMALL EQUIPMENT & ECPS PRODUCTION ENGINEERING &	Α	A 2,253 61 105 259												
	LOGISTICS		1,000												
S4100	DIGITAL CAMERA RECEIVING STATION	Α	450	3	155	465	3	160	480						
	VARIOUS OTHER COSTS, FY 95 & PRIOR *		52,166												
	*The amount identified against this cost eleme **Effective FY2000, funding identified unde										 FOUIPMEN	 T (BUI 42420	0)		
	Encours i 12000, fullating fueritified unite				CON MENT	,551,425000	,					. (50: 42420	٠,.		
			56,234			675			844			0			0

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 134 PAGE NO. 3

BUDGET PROCUREM	ENT HISTO	DRY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
				. (,		· · · · · · · · · · · · · · · · · · ·			ebruary 2	2000
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NO	MENCLATURE				
OTHER PROCUREME	NT, NAVY				REWSON PH	HOTOGRAPHIC EQUIP	PMENT - Y	3 S 4		
BA-3 AVIATION SUPP	ORT EQUI	PMENT								
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S4100 DCRS										
FY 1998 FY 1999	3		SPAWAR Det., Phil SPAWAR Det., Phil	Apr-98 Apr-99	C/MIPR/FP C/MIPR/FP	Various Various	Jun-98 Jun-99	Sep-98 Sep-99	YES YES	N/A N/A
D. REMARKS	1							1	I	
Effective FY2000, funding io	dentified unde	er REWSON	PHOTOGRAPHIC EQUIP			OTHER PHOTOGRAPHIC E	QUIPMENT (E			

P-1 SHOPPING LIST ITEM NO. 134 PAGE NO. 4 Classification:

	RIATION/BUDGET ACTIVITY																	DATE	: Feb	ruary	2000									
APPROPRIATION/BUDGET ACT	IVITY	1										1	Wea	pon	Sys	tem		P-1	ITE	ΜN	ОМІ	ENC	LAT	URI	Ē					
OTHER PROCUREMENT/BA-3	PROCUREMENT/BA-3 AVIATION SUPPORT EQUIPMENT Production Manufacturer's Name and Location MSR 1-8-5 Imera Receiving Station Various N/A N/A MANUFACTURER F S Q D B 1997																					TOG	RA	PHI	CEC	JUIF	<u>۲ - ۲</u>	3S4		
	Manufacturer's NAME																	t Le	adtir	nes										
	NT/BA-3 AVIATION SUPPORT EQUIPMENT																				R	eord	er			ļ	l	Un	it of	
			and L	ocatio	n							to	Oct	1							M				Tota				sure)
Digital Camera Receiving Station	Vario	us				N/	/A	N,	/A	N/	/A					9 m	os		3 m	os		3 m	os		12 r	nos		EΑ		
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									F	ISCA	L YEA	AR 19	98									FISC	AL Y	EAR	1999					1
ITEM / MANUFACTURER							1997					С	ALEN	IDAR	YEAF	199	8						CAI	LEND	AR YE	EAR 1	999		/	
	Y								-	F	M	A	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	A	S	B A
										В	R	R	A Y	U N	L	U G	P	T	V	C	A N	В	A R	R	Y	U N	U L	U G	E P	L
Digital Camera Receiving Station	98	N	3	0	3									Α			3													0
Digital Camera Receiving Station	99	N	3	0	3																					Α			3	0
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							1997																—			$\vdash \vdash$	\vdash			
					ALT Prior ALT After Initial Reorder Mfg PLT Too N/A														-				\vdash							
			Production Rate																											
		ATION SUPPORT EQUIPMENT Production Rate																												
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Pomarka:																											Щ			Щ

Remarks:

Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).

UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requirem	ents Study		AP	PROPRIATION/BL	JDGET ACTIVIT	ΓY - 3	D/	ATE:	
			AIR	CRAFT PROCURE	MENT, NAVY			February	2000
P-1 ITEM NOMENCLATUR	RE		Admin Le	eadtime (after Oct1)):		Prod Leadtime :		
REWSON PHOTOGRAPHIC	EQUIPMENT - Y3S4		9 n	nos	T		3 mos		
DIGITAL CAMERA RECEIVII	NG STATION	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	PY 2003	FY 2004	FY 2005
Buy Summary		3	3						
Unit Cost		155	160						
Total Cost		465	480						
Asset Dynamics									
Beginning Asset Position		3	6						
Deliveries from all prior year	r funding	3	0						
Deliveries from FY 1999 fur	nding	0	3						
Deliveries from FY 2000 fur	nding	0	0						
Deliveries from FY 2001 fur	nding	0	0						
Deliveries from subsequent	years' funding	0	0						
Other Gains		0	0						
Combat Losses/Usage		0	0						
Training Losses/Usage		0	0						
Test Losses/Usage		0	0						
Other Losses/Usage		0	0						
Disposals/Retirements/Attrit		0	0						
End of Year Asset Position		6	9						
Inventory Objective or Curre	ent Authorized Allowance	54	54						
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Elig		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)		FY 2000 Rep		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Elig		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Rep		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Aug	ment:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									
	g identified under REWSON PHO	TOGRAPHIC EQI	UIPMENT (BUI	425600) has been	moved to OTH	IER PHOTOG	RAPHIC EQUIPME	NT (BUI 424200).	
Inventory objective of 54 eq	uals:								
Four digital base stations pe	er ship (4*12=48)	48							
Two digital base stations ea	sch for three shore activities (2*3=6)	<u>6</u>							
		54							
				P-1 SHOPPING	LIST		CI VSSIE	FICATION:	
DD Form 2454, JUN 86			ITEM NO. 13		PAGE NO.	6	CLASSIF	IOATION.	
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		BUDO	SET ITEM JU	STIFICATION	DATE:								
			F	P-40	February 2000								
APPROPRIATION/BI	UDGET ACTIVI	TY			P-1 ITEM NOMENCLATURE								
OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT							OTHER AVIATION SUPPORT EQUIPMENT						
Program Element for Code B Items:						Other Related Program Elements							
	Prior	ID								То			
	Years	Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total		
QUANTITY													
COST (In Millions)	\$233.6		\$5.8	\$4.2	\$4.9	\$10.3	\$11.3	\$4.8	\$6.8	CONT	CONT		

The following items are funded in this line:

1. Naval Aviation Logistics Data Analysis (NALDA) SUPPORT Upgrade to NALDA II:

NAVAIR was directed by the CNO to extend NALDA accessability to all USN and USMC aviation supportability and maintenance reporting activities and NAVAIR Team sites. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, COTS, user-friendly, Client-Server and relational database environment. Additionally, Life-Cycle Management (LCM) dollar resource requirements have been identified for hardware, software and process technology upgrades (refreshment), which have also been incorporated above.

Funding budgeted in FY 2001 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.

Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).

2. NAVAIR Support Equipment (OIS Headquarters SE):

Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL., the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Aviation Technical Data and Engineering Service Command (NATEC), San Diego. Support equipment is evaluated on a cost-effective (lease vs. purchase) basis. The Navair Headquarters Network (NHN) provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data. The NAVAIR Electronic Acquisition funding provides for the procurement of necessary upgrades to the NAVAIR TEAM-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of Electronic Acquisition Initiatives. The OSD Mandated Initiatives include, but are not limited to the following: Standard Procurement System (SPS), Interfaces, Electronic Procurement Generator (EPG), Electronic Document Access (EDA), Wide Area Work Flow (WAWF). The Workload Planning System (WPS) funding provides for a data repository to maintain corporate workload planning information. WPS will provide valuable feedback on the rate and quality of the command's execution to plan and provide the basis for smart investment decisions when trade-offs in capability and capacity are necessary.

P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 135 PAGE NO. 1

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System				DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment							OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7						
JA-J A	Viation Support Equipment		TOTAL COST IN THOUSANDS OF DOLLAR				OTTLK AVI	ATION COLL	WILITI 45	01703017130	<u> </u>		
COST CODE	ELEMENT OF COST	ID Code	Prior FY 1999 Years				FY 2000		FY 2001				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
7030	PEO (A) Industrial Facilities Equipment		2,553			224			213			20	
67040	NALDA		15,365			3,939			3,951			4,7	
S7020	OIS Headquarters SE		44,928			1,637			0				
	Various 1/ 1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1998 and beyond.		170,706			0			0				
			233,552			5,800			4,164			4,9 CLASSIFICATION	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
				February 2000							
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy					C. P-1 ITEM NO	•	SUBHEAD				
BA3 - AVIATION SUPP	PORT EQU	IPMENT	OTHER AVIATION SUPPORT EQUIPMENT				43S7/U3S7/Y3S7				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
S7040- NALDA											
FY 1998 FY 1999 FY 2000	1 Lot 1 Lot 1 Lot	5,748 3,939 3,951	NAVSUP/SPCC NICP/NCTS NICP/NAWCAD			FDSC* InterGraph InterGraph/Dynamix	01/98 02/99 12/99	01/98 03/99 2/00	YES YES YES	N/A N/A N/A	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 135 Classification:

PAGE NO. 3

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^{*} FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002.

^{**} Quantities reflect complete systems comprised of several components.